

FIG. 2A

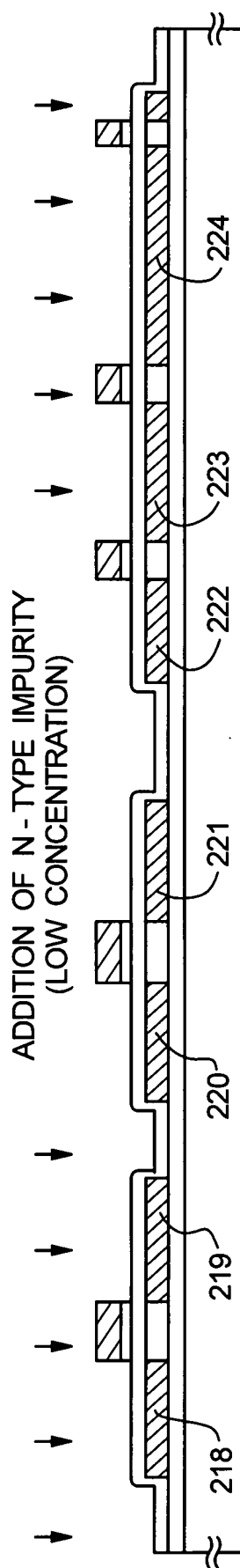


FIG. 2B

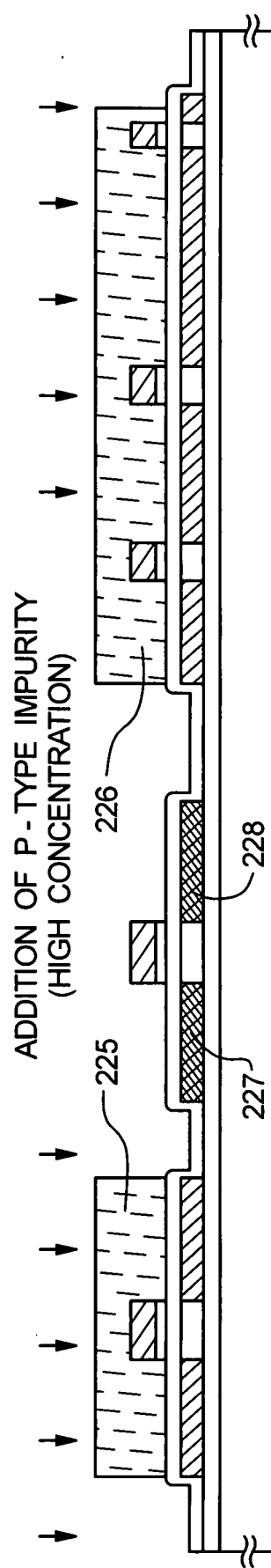


FIG. 2C

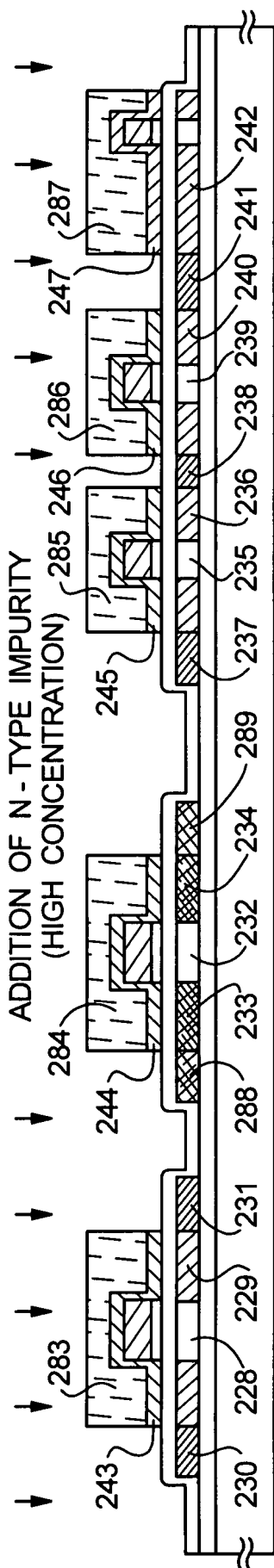


FIG. 3A

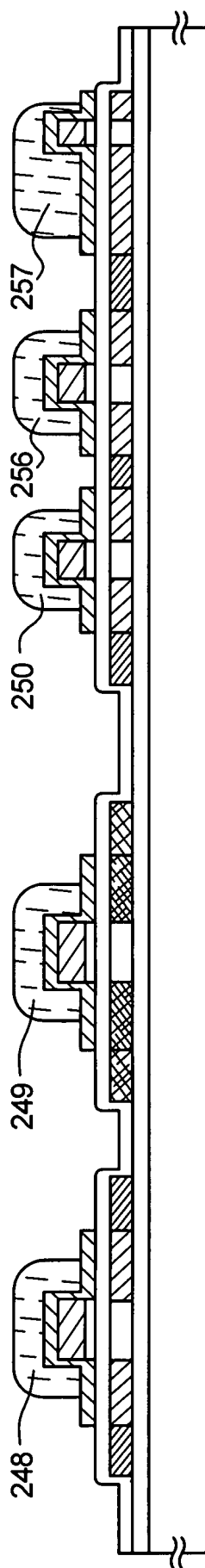
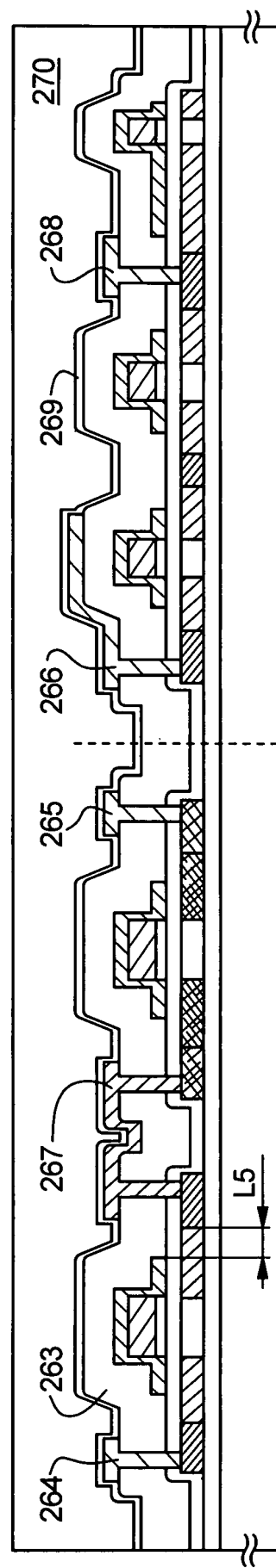
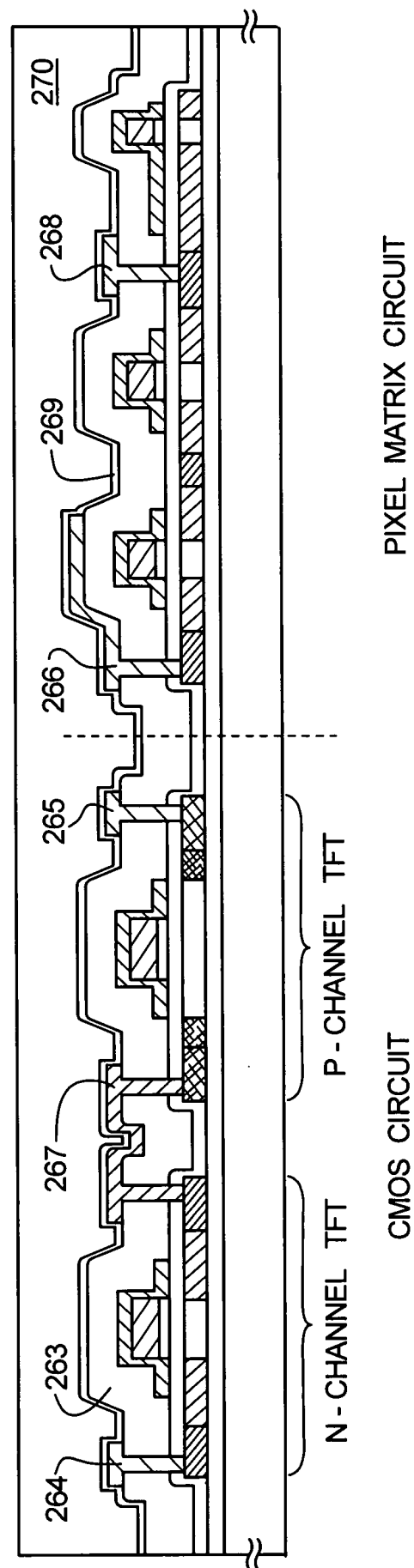
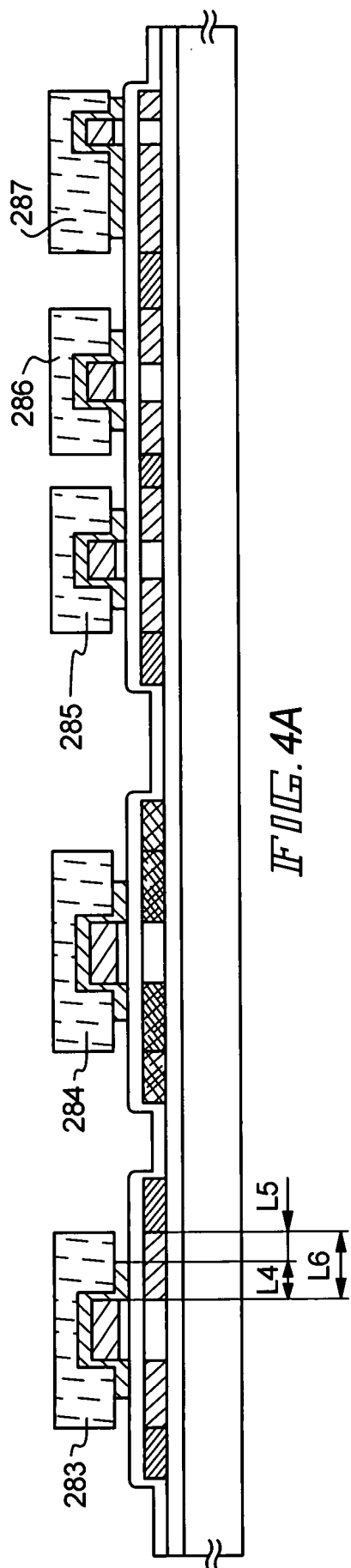


FIG. 3B



B N-CHANNEL TFT P-CHANNEL TFT A' A
CMOS CIRCUIT PIXEL MATRIX CIRCUIT
FIG. 3C



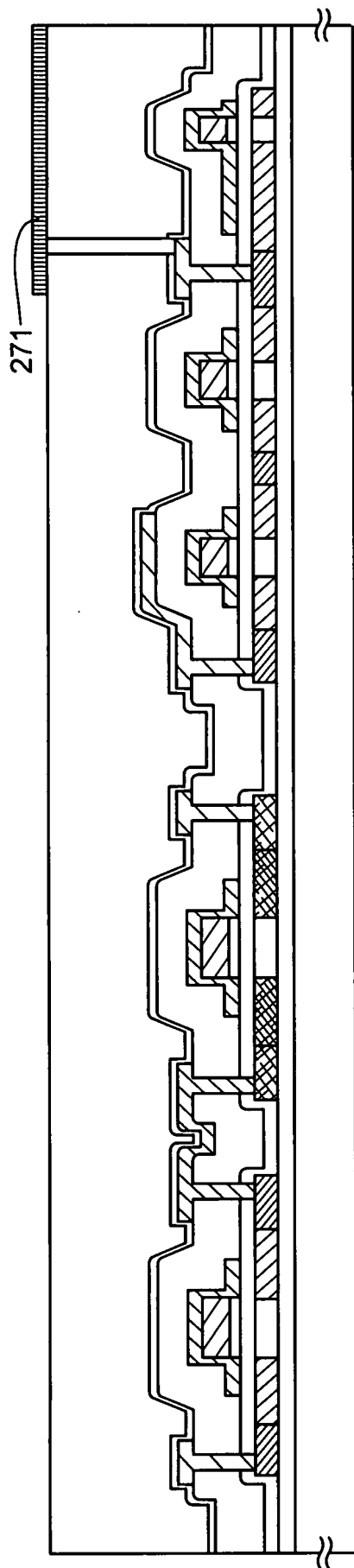


FIG. 5A

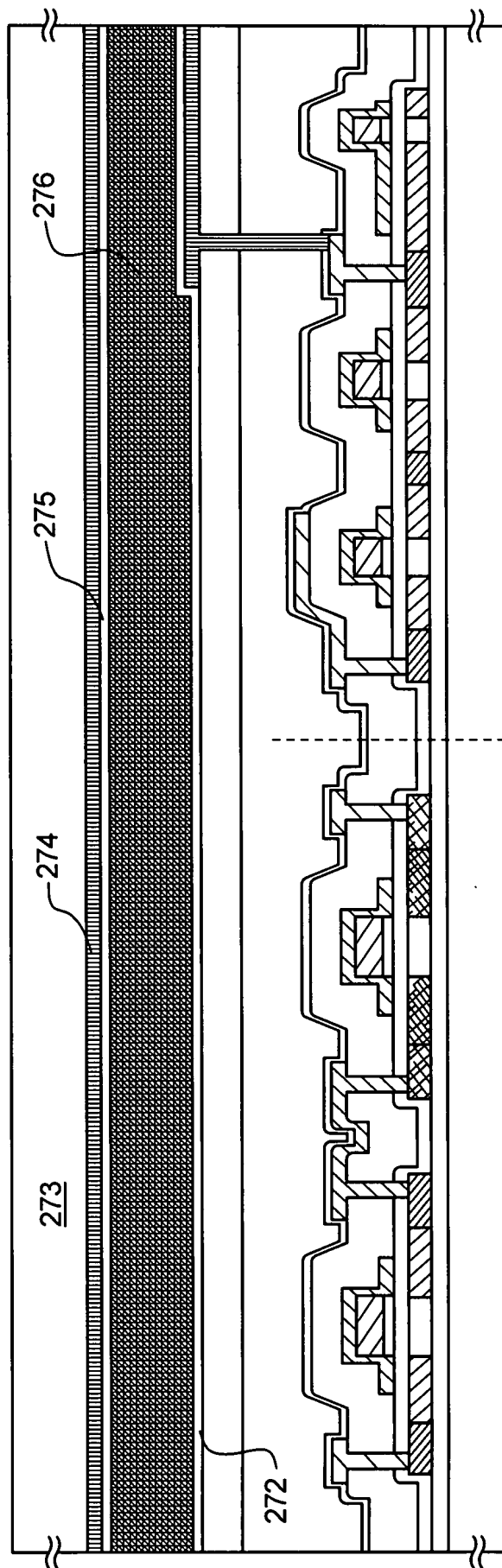


FIG. 5B

PIXEL MATRIX CIRCUIT

CMOS CIRCUIT

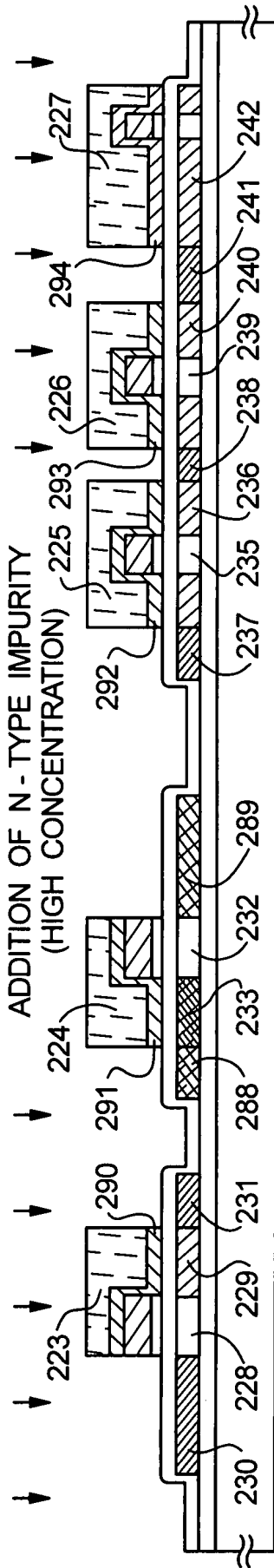


FIG. 6A

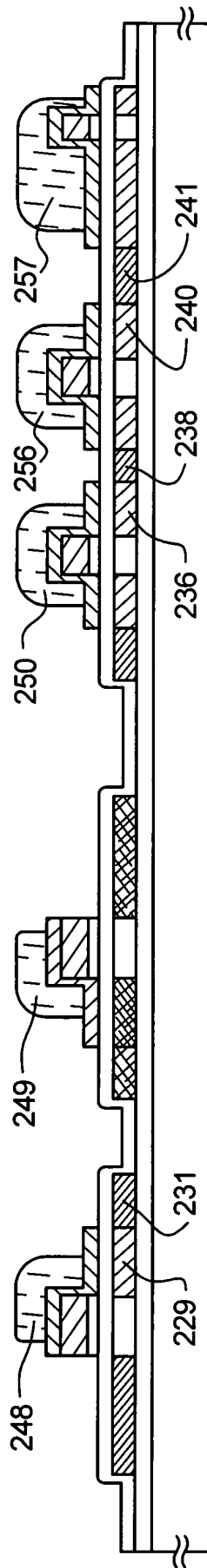
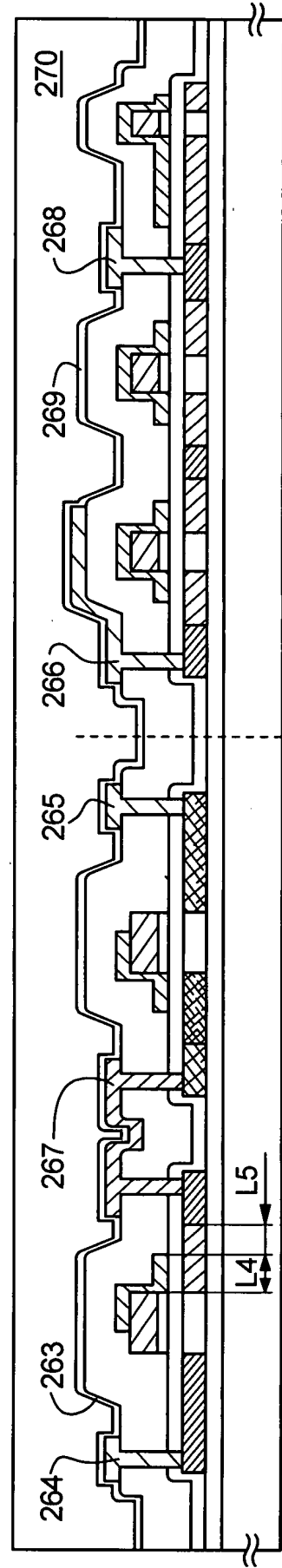


FIG. 6B



N-CHANNEL TFT
CMOS CIRCUIT

P-CHANNEL TFT

PIXEL MATRIX CIRCUIT

FIG. 6C

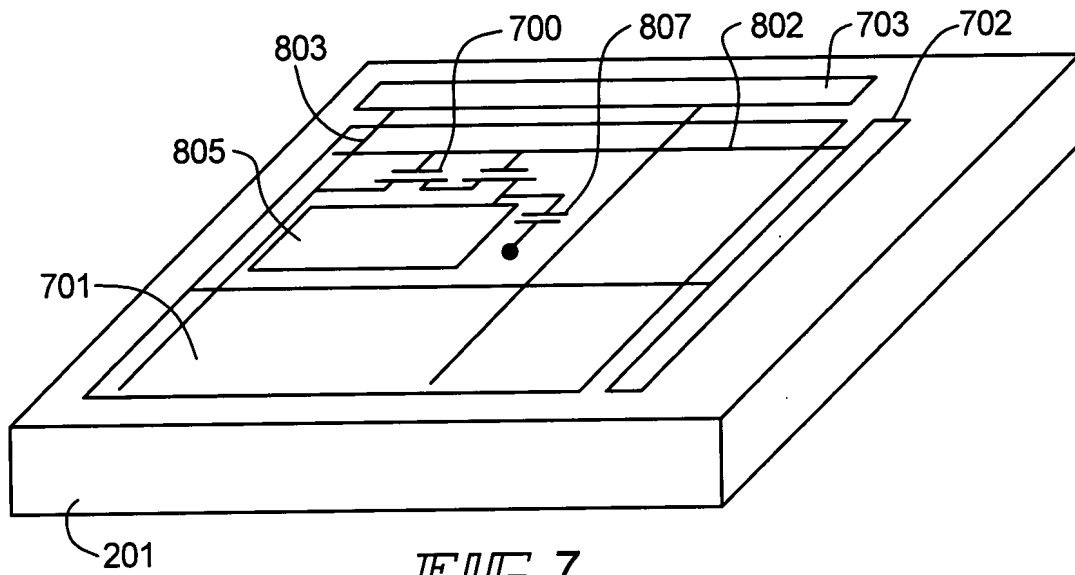
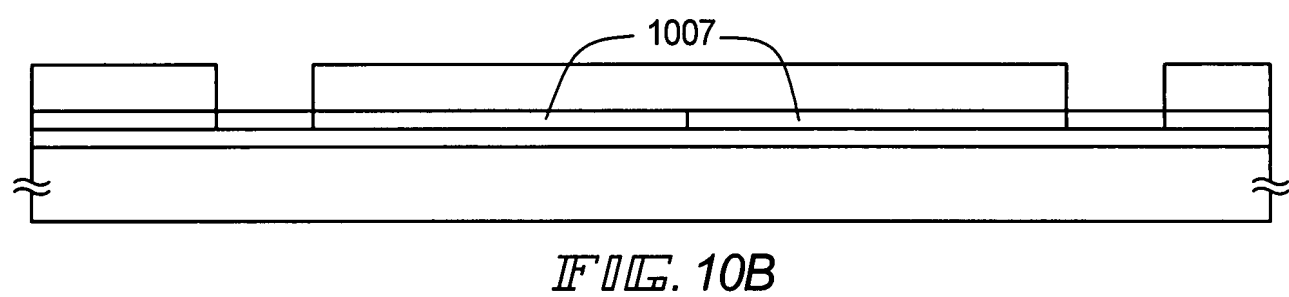
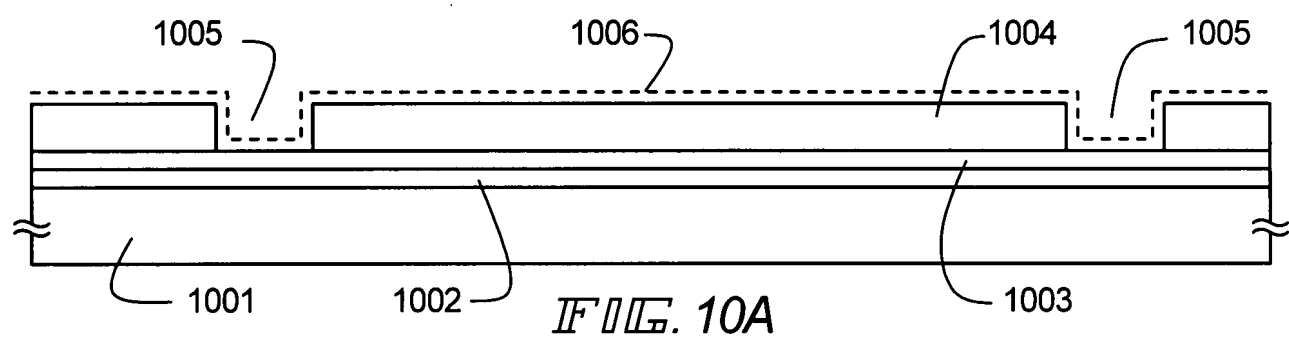
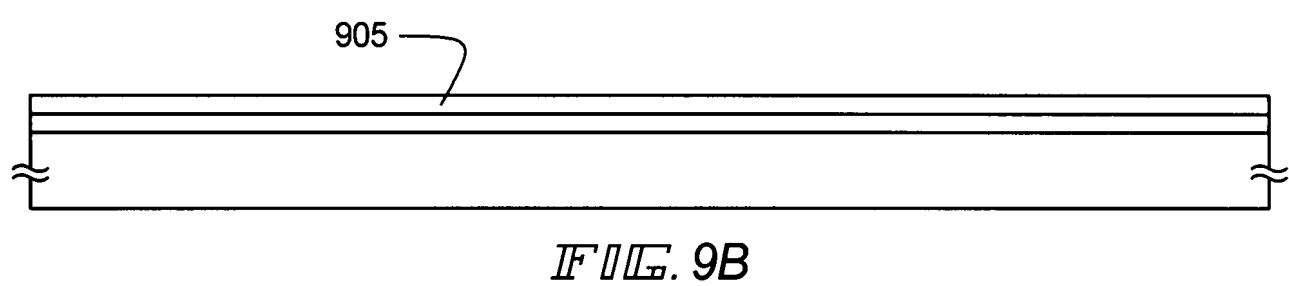
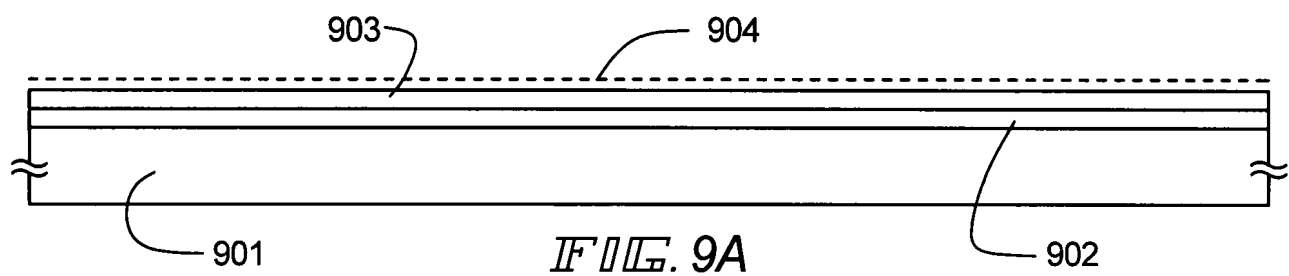
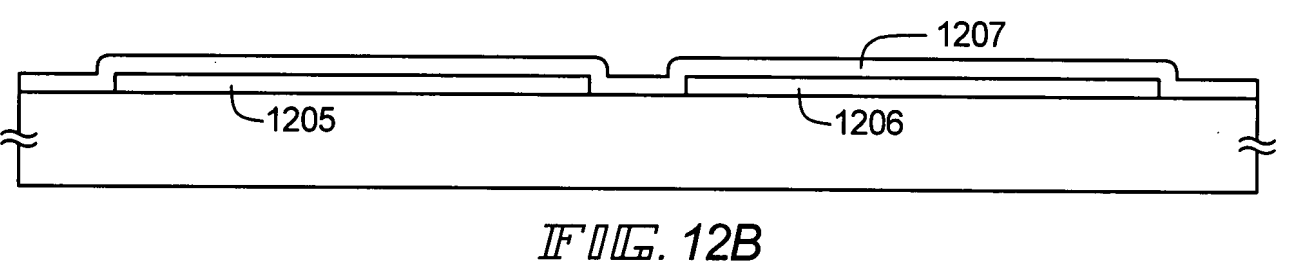
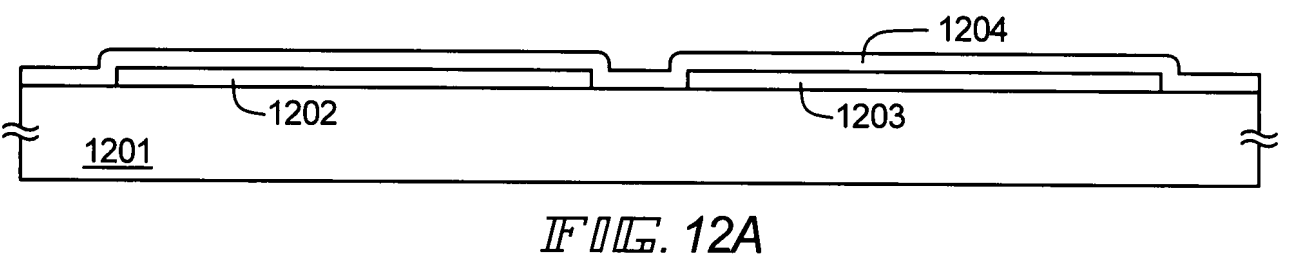
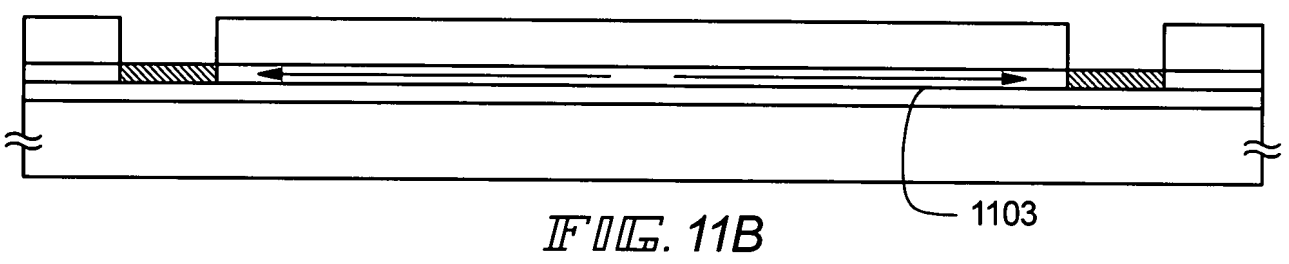
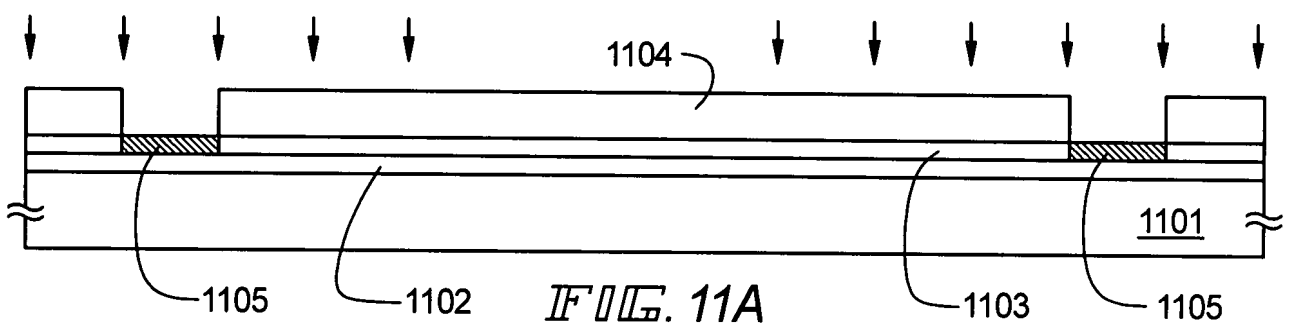


FIG. 7







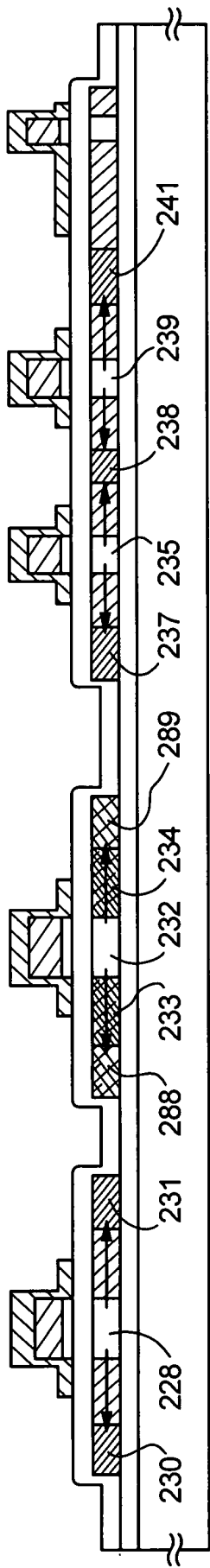


FIG. 13

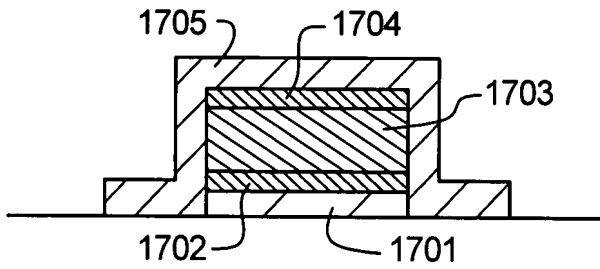


FIG. 14A

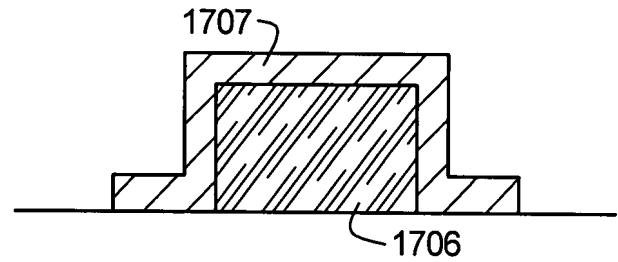


FIG. 14B

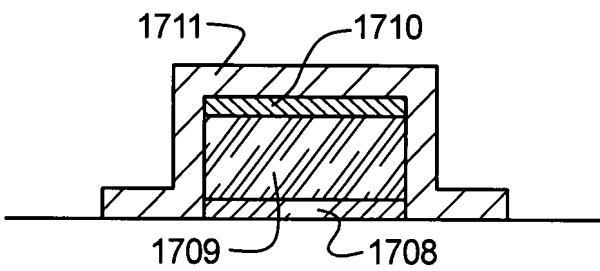


FIG. 14C

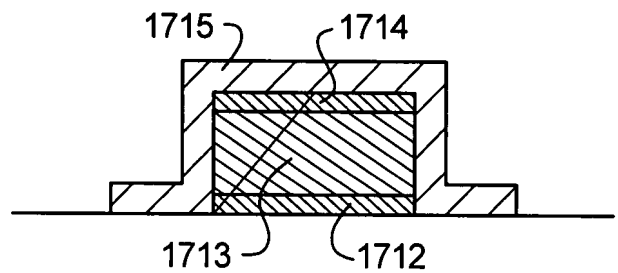


FIG. 14D

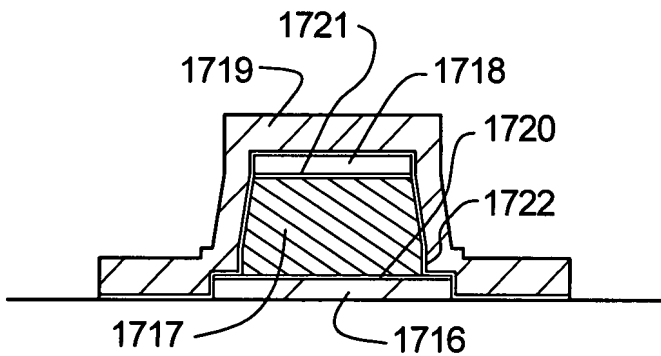


FIG. 14E

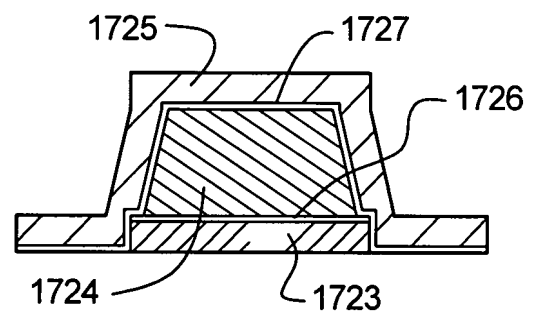


FIG. 14F

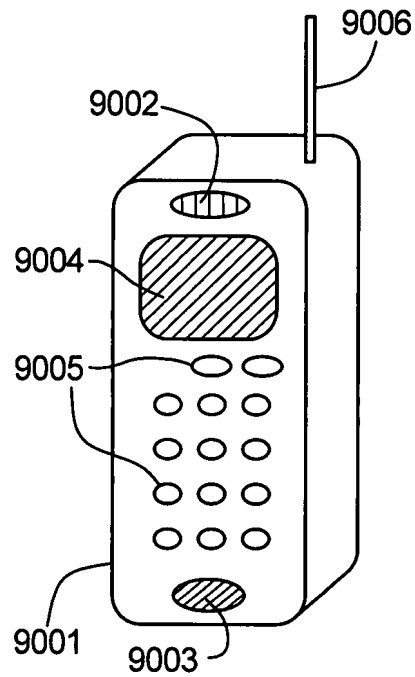


FIG. 15A

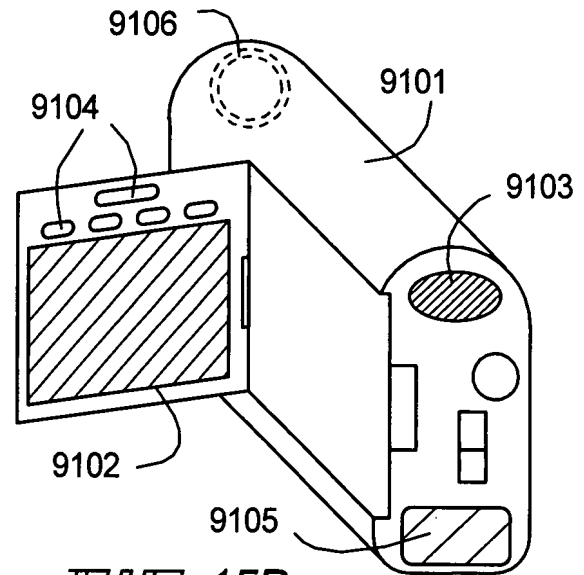


FIG. 15B

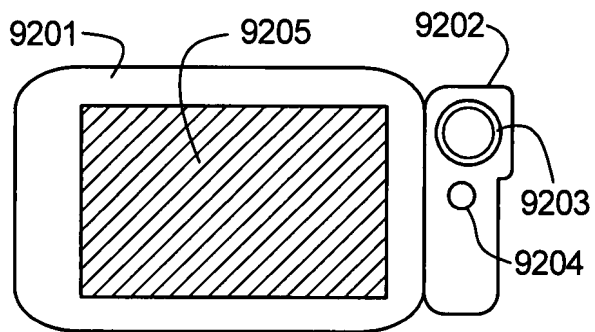


FIG. 15C

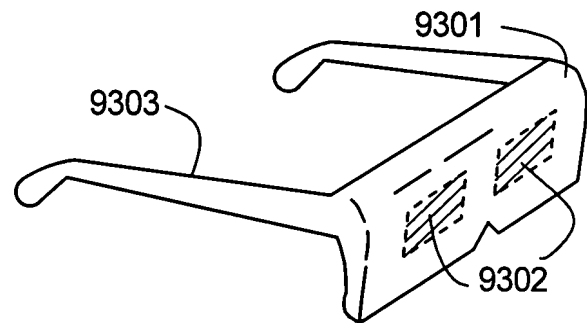


FIG. 15D

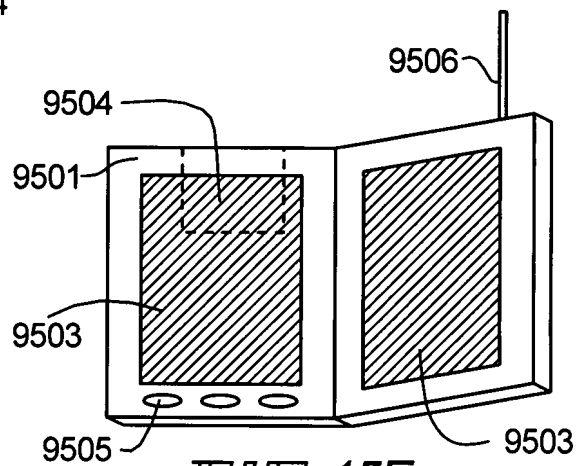


FIG. 15E

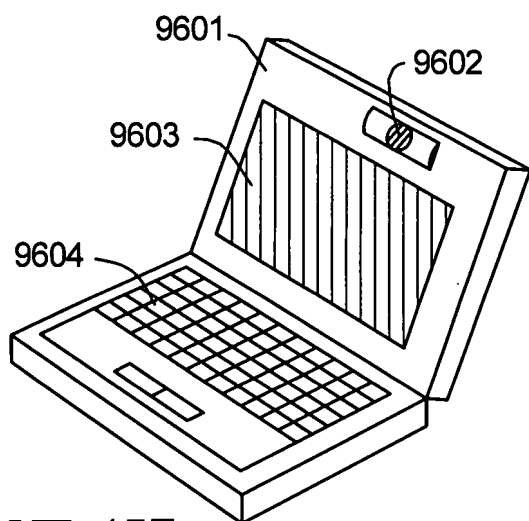


FIG. 15F

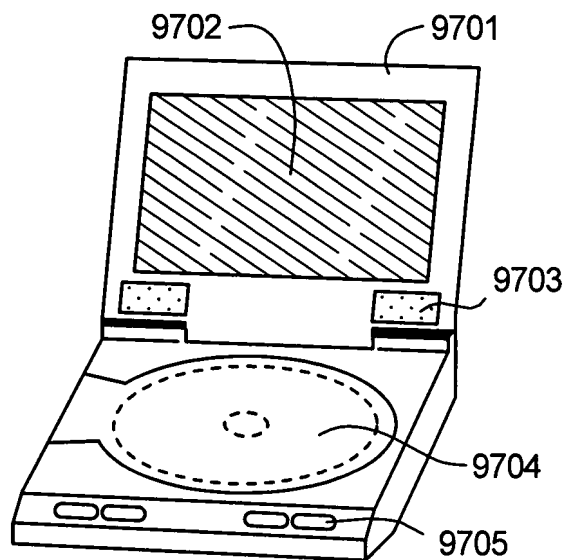


FIG. 15G

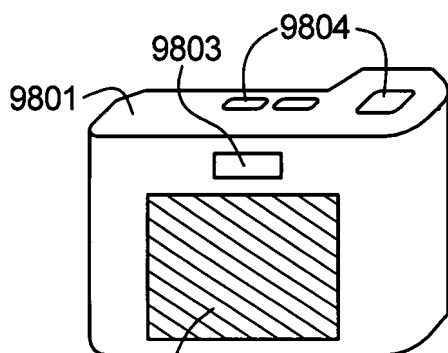


FIG. 15H

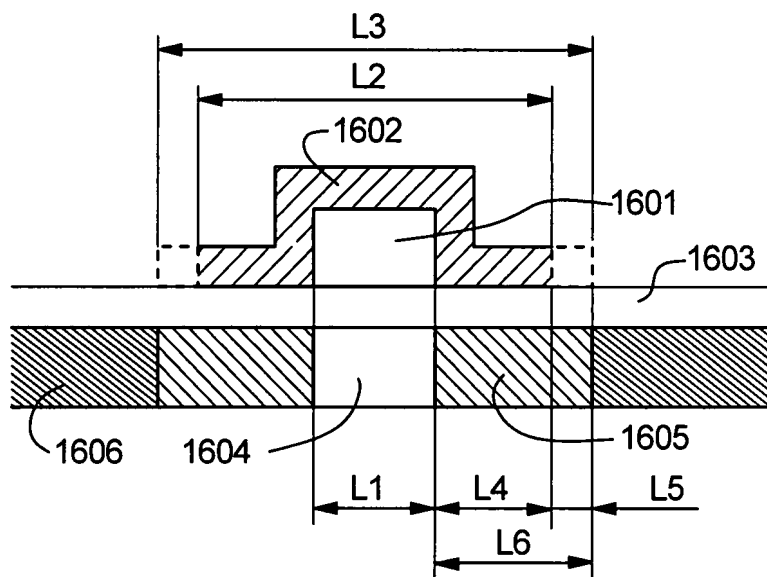


FIG. 16

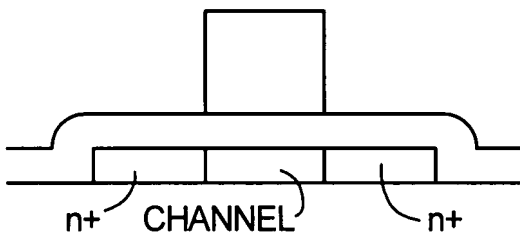


FIG. 17A-1

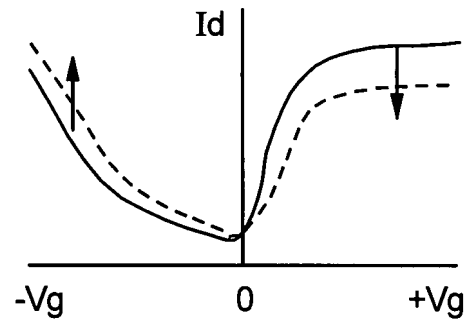


FIG. 17B-1

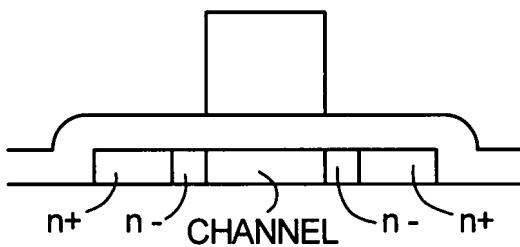


FIG. 17A-2

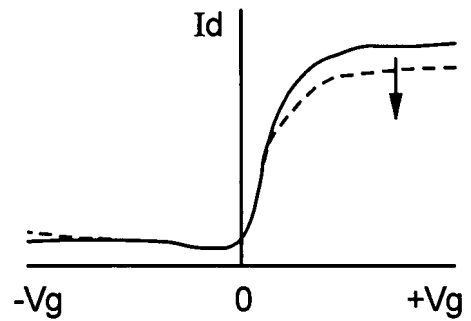


FIG. 17B-2

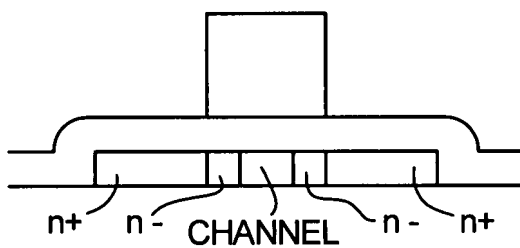


FIG. 17A-3

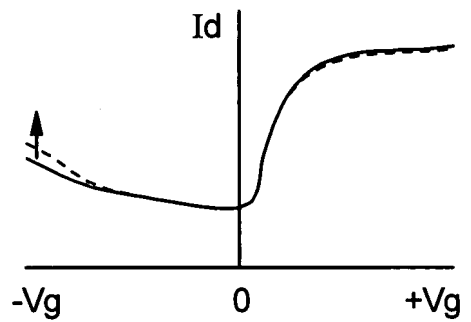


FIG. 17B-3

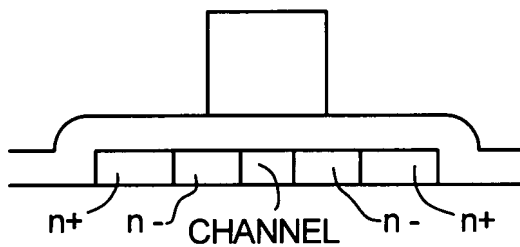


FIG. 17A-4

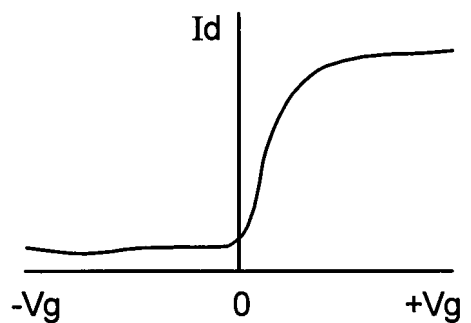


FIG. 17B-4

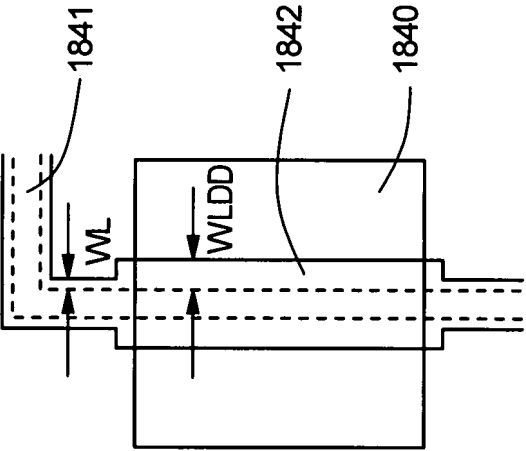


FIG. 18

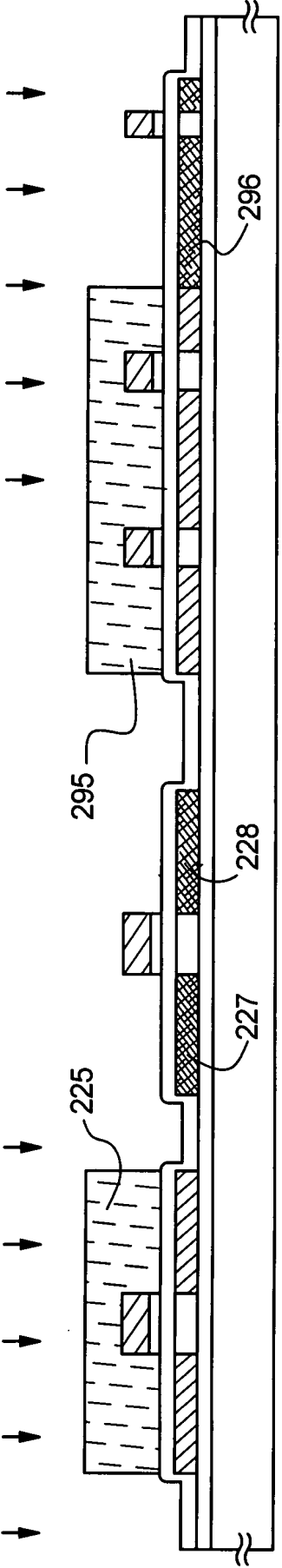


FIG. 19

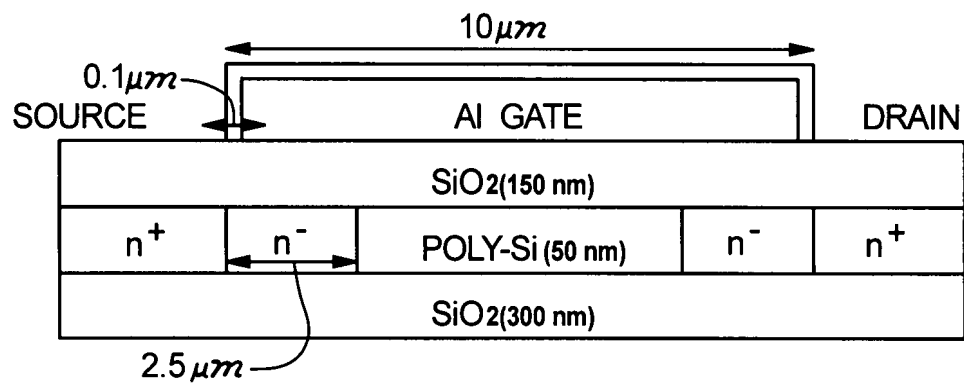
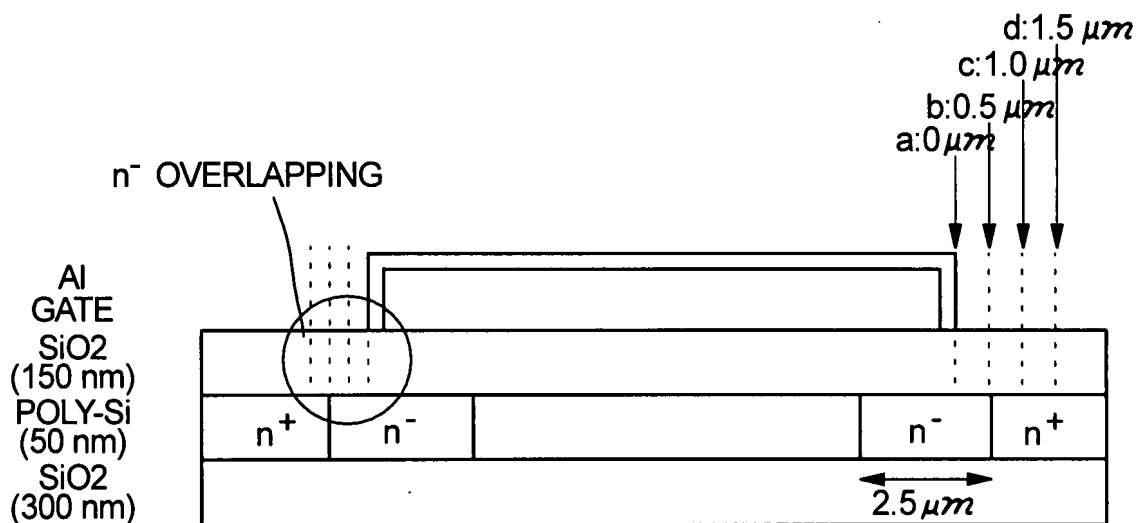


FIG. 20A

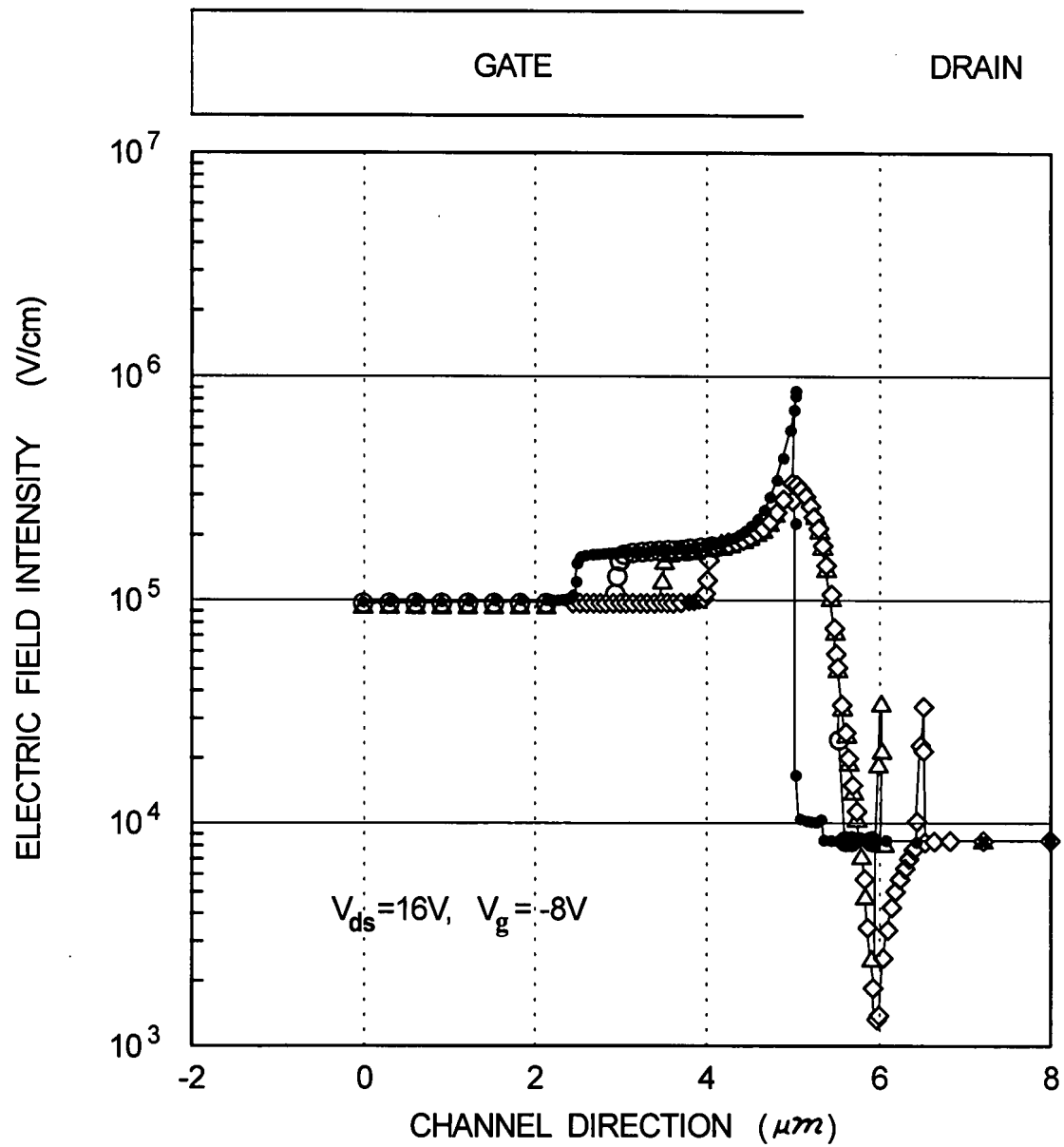


※ WIDTH OF n⁻ REGION IS FIXED IN 2.5 μm

CONCENTRATION OF n⁻ REGION (ACTIVATED CONC.): 4.2E17/cm³

CONCENTRATION OF n⁺ REGION (ACTIVATED CONC.): 2E20/cm³

FIG. 20B



N⁻ CONCENTRATION : $4.2E17/cm^3$

- b: LDD $0.5\mu m$ + GOLD $2.0\mu m$
- △— c: LDD $1.0\mu m$ + GOLD $1.5\mu m$
- ◇— d: LDD $1.5\mu m$ + GOLD $1.0\mu m$
- a: LDD $0\mu m$ + GOLD $2.5\mu m$

FIG. 21

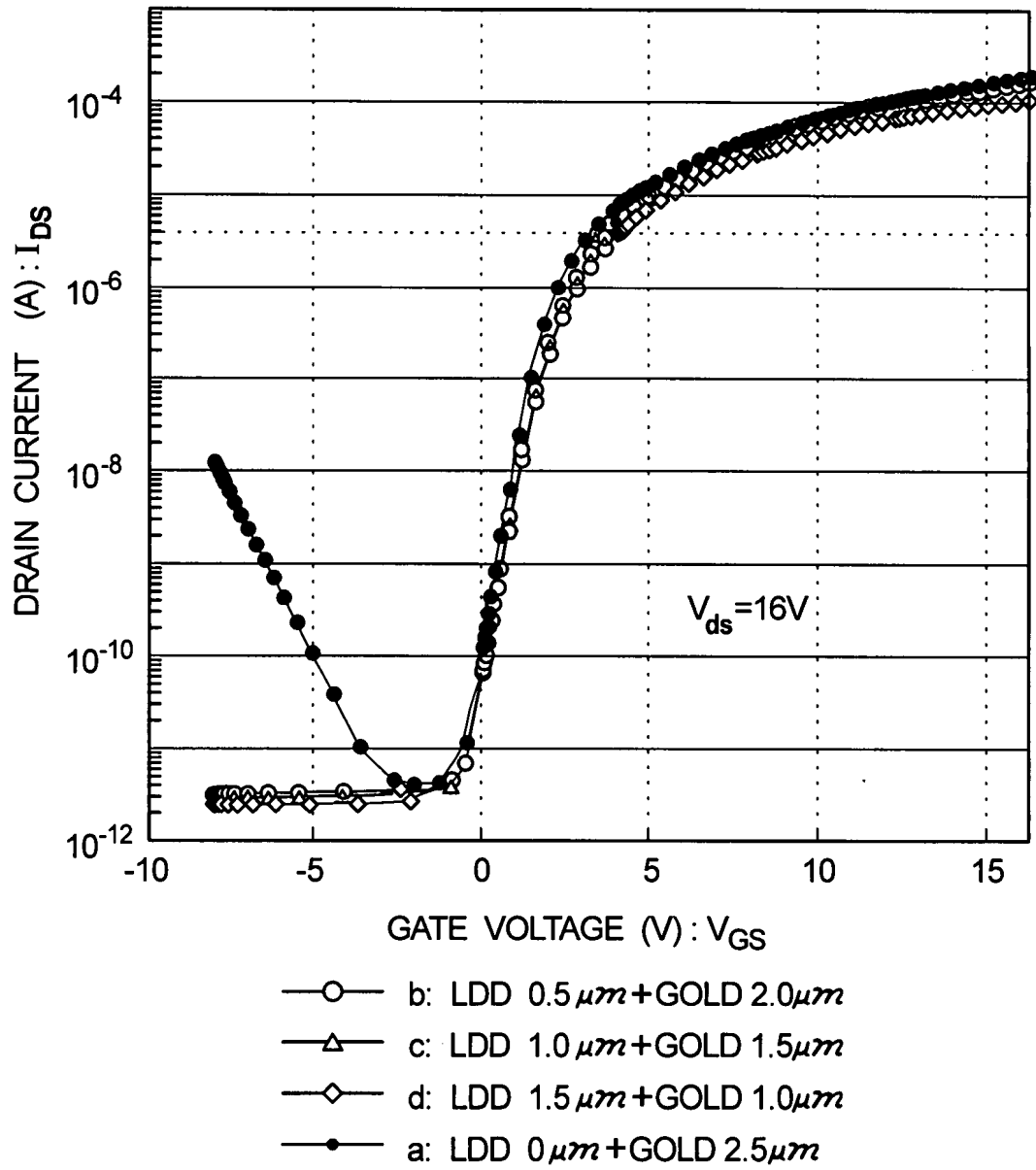
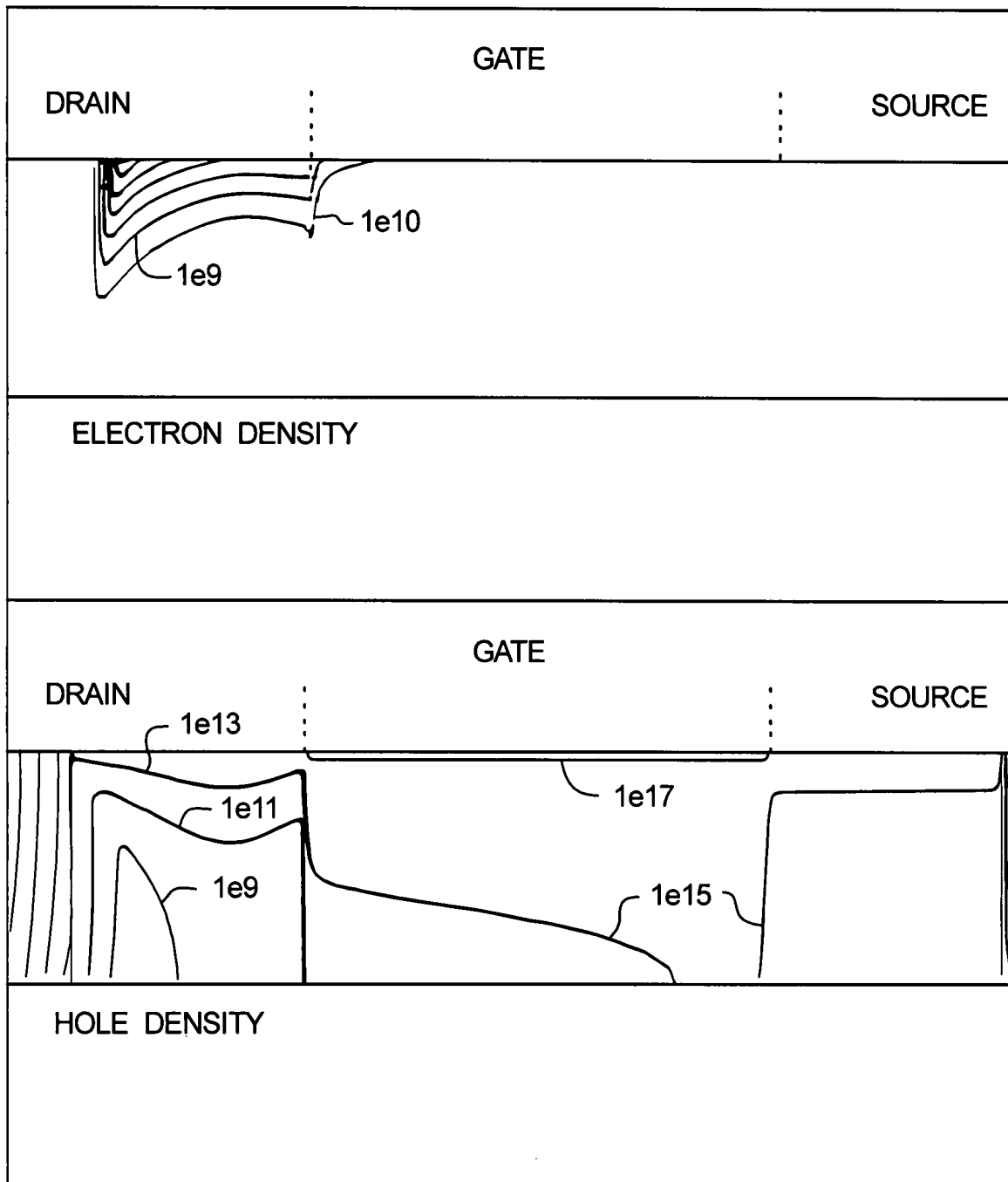
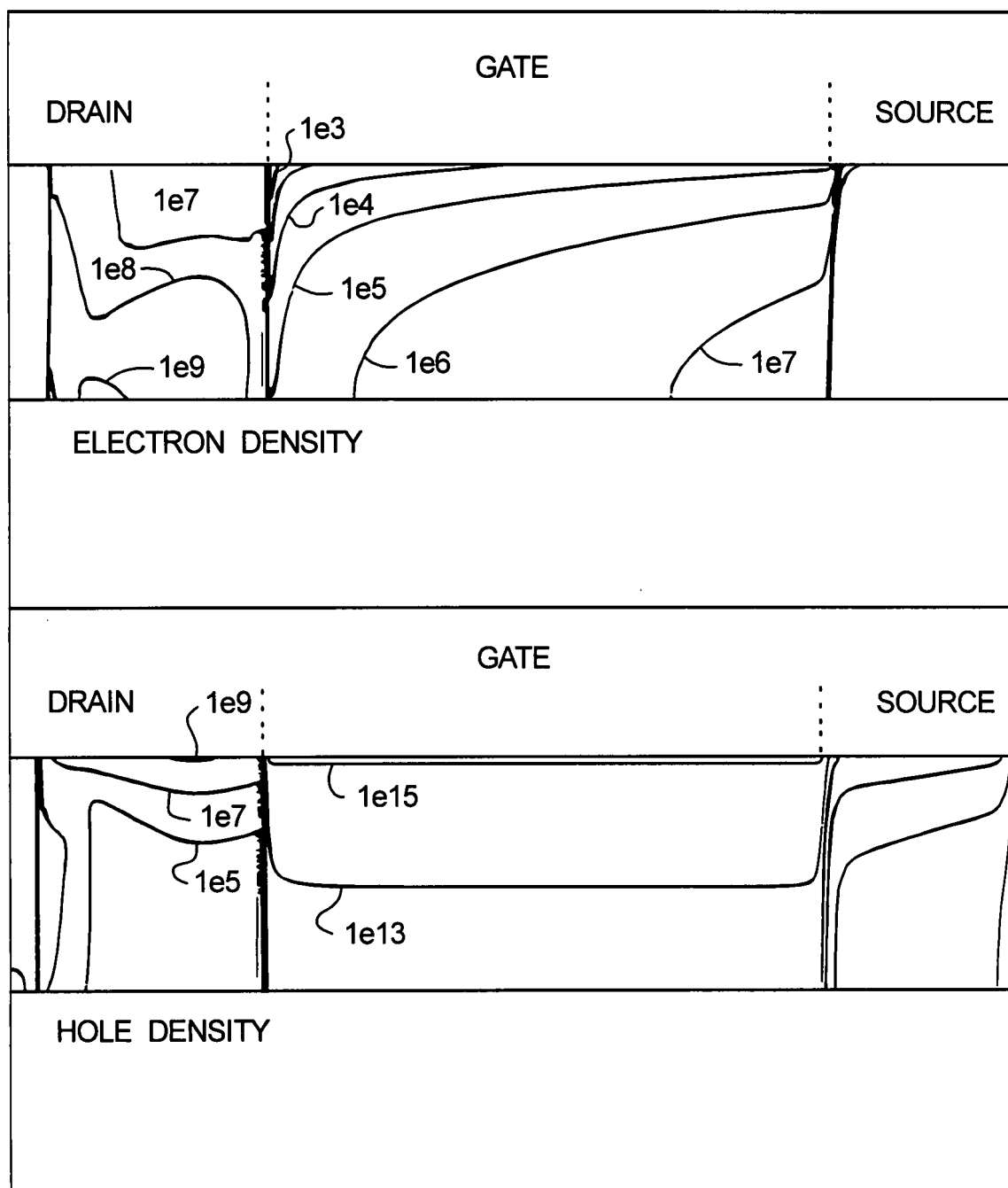


FIG. 22



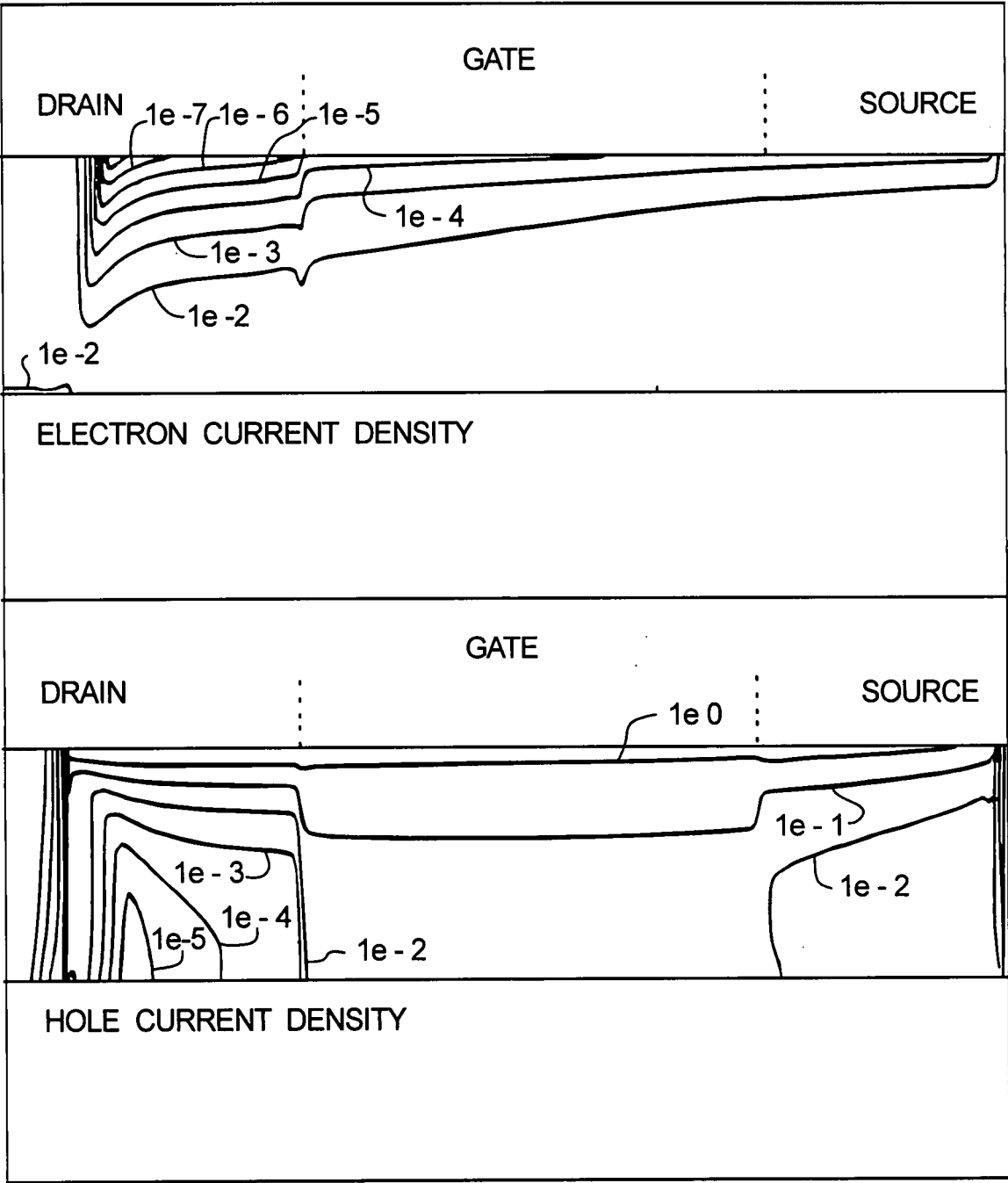
GOLD ($2.5\mu m$) +LDD ($0\mu m$)

FIG. 23



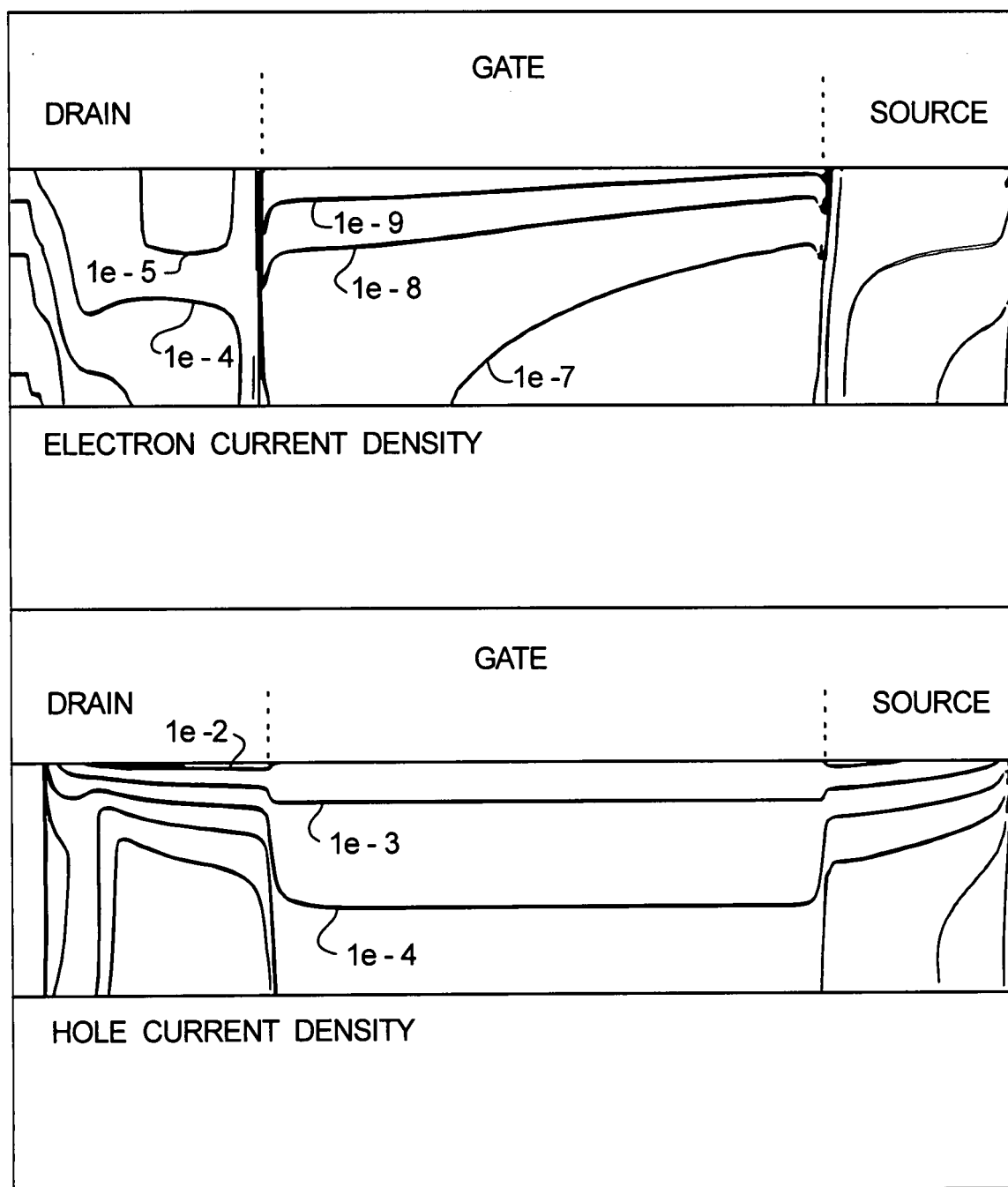
GOLD ($2.0\mu m$) + LDD ($0.5\mu m$)

FIG. 24



GOLD ($2.5\mu m$) + LDD ($0\mu m$)

FIG. 25



GOLD ($2.0\mu m$) + LDD ($0.5\mu m$)

FIG. 26

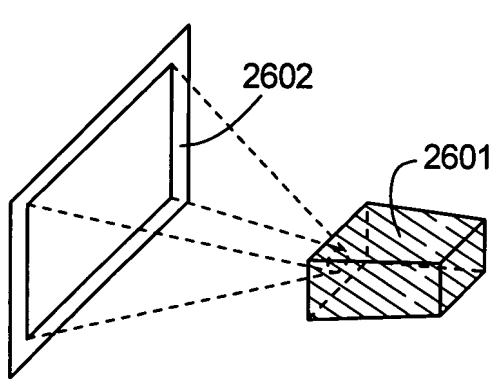


FIG. 27A

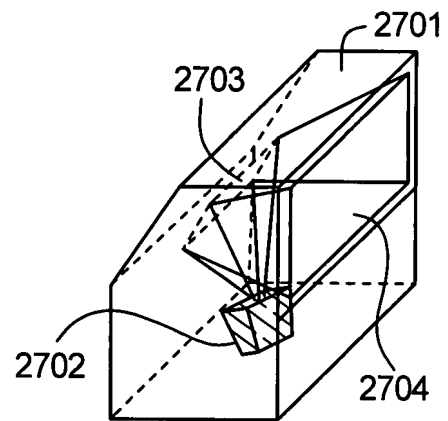


FIG. 27B

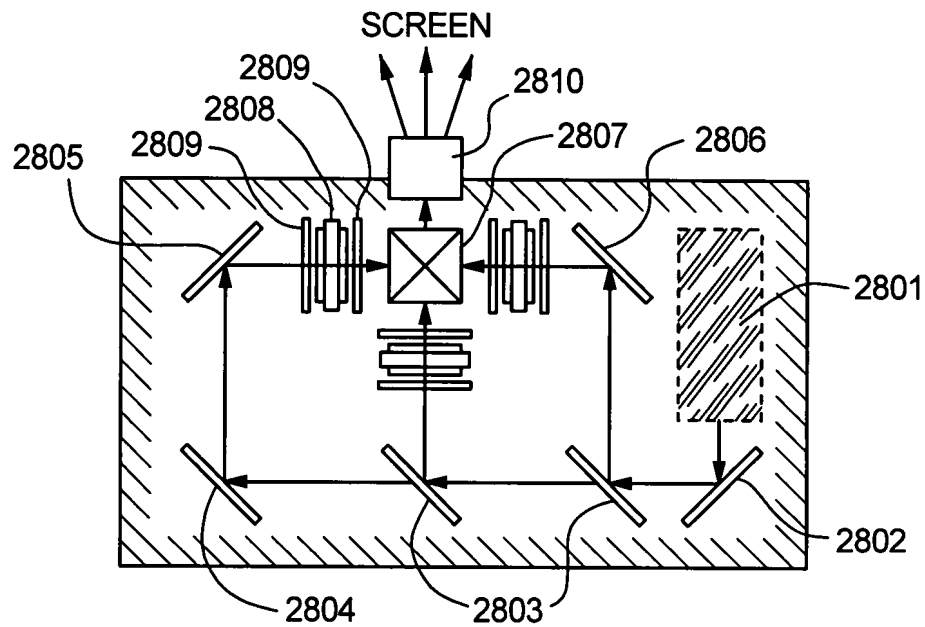
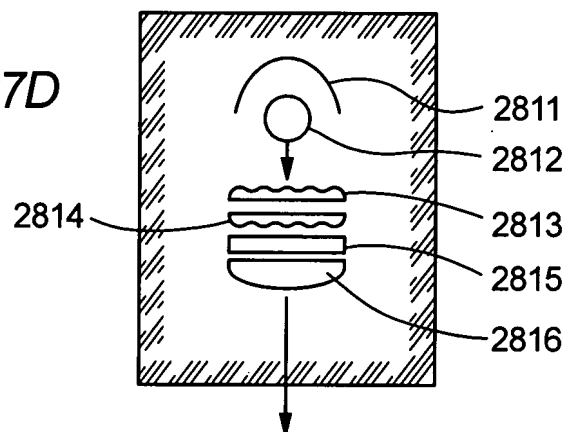


FIG. 27C

FIG. 27D



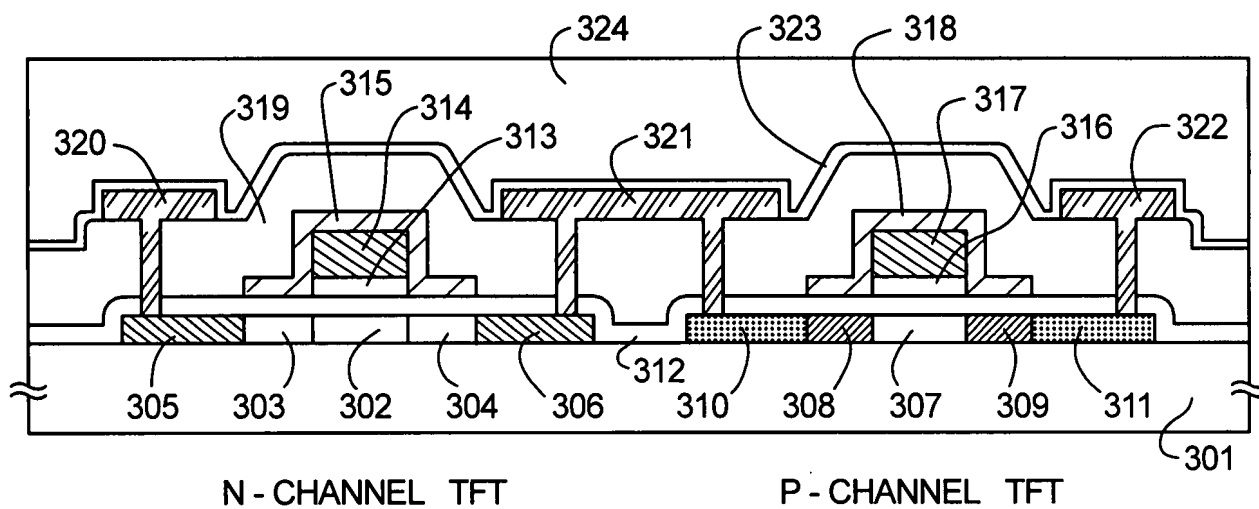


FIG. 28

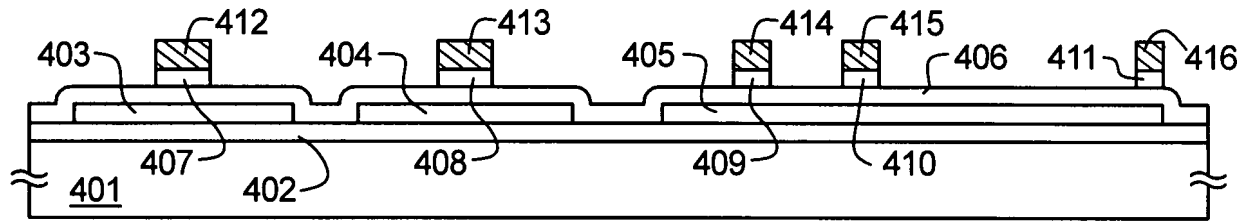


FIG. 29A

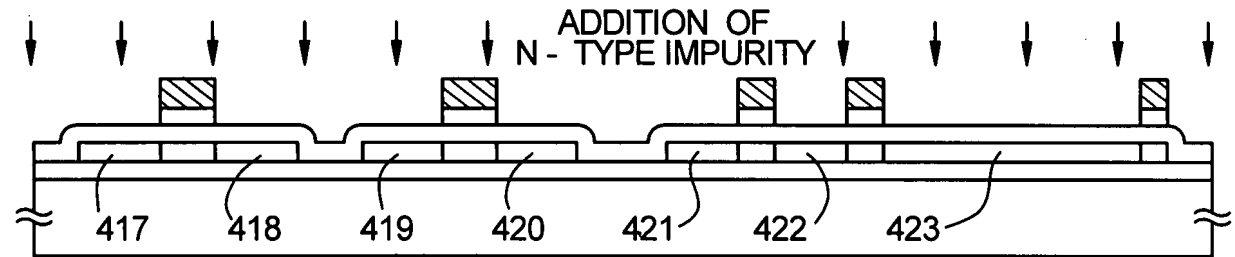


FIG. 29B

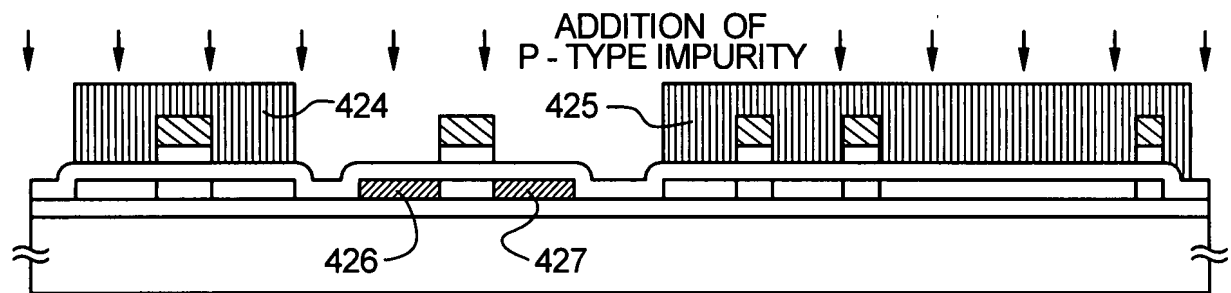


FIG. 29C

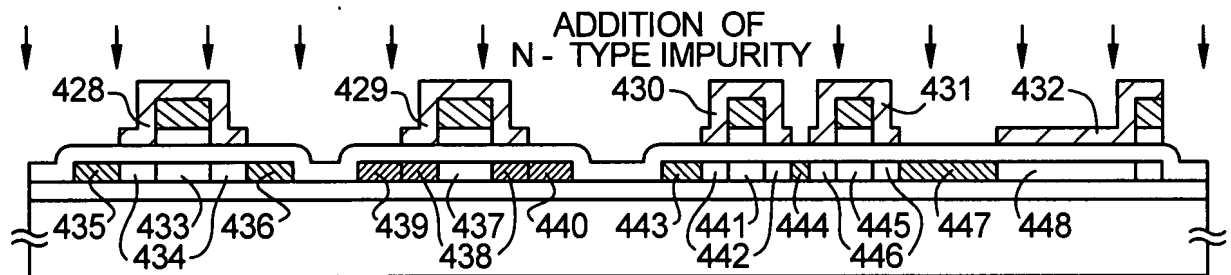


FIG. 29D

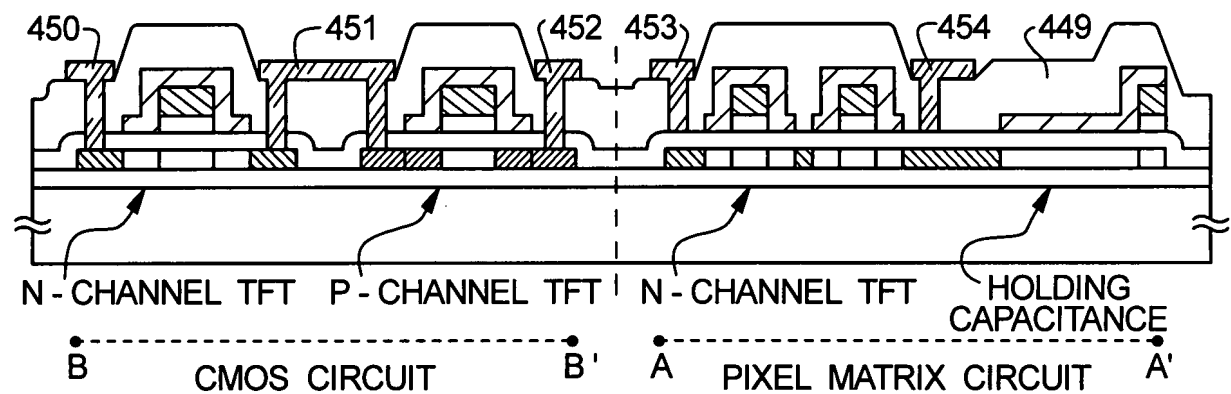


FIG. 29E

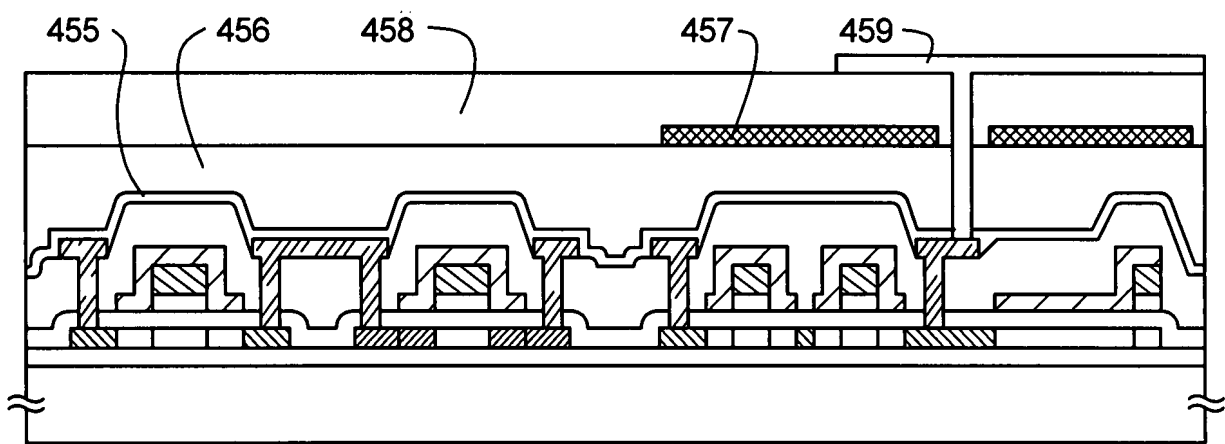


FIG. 30A

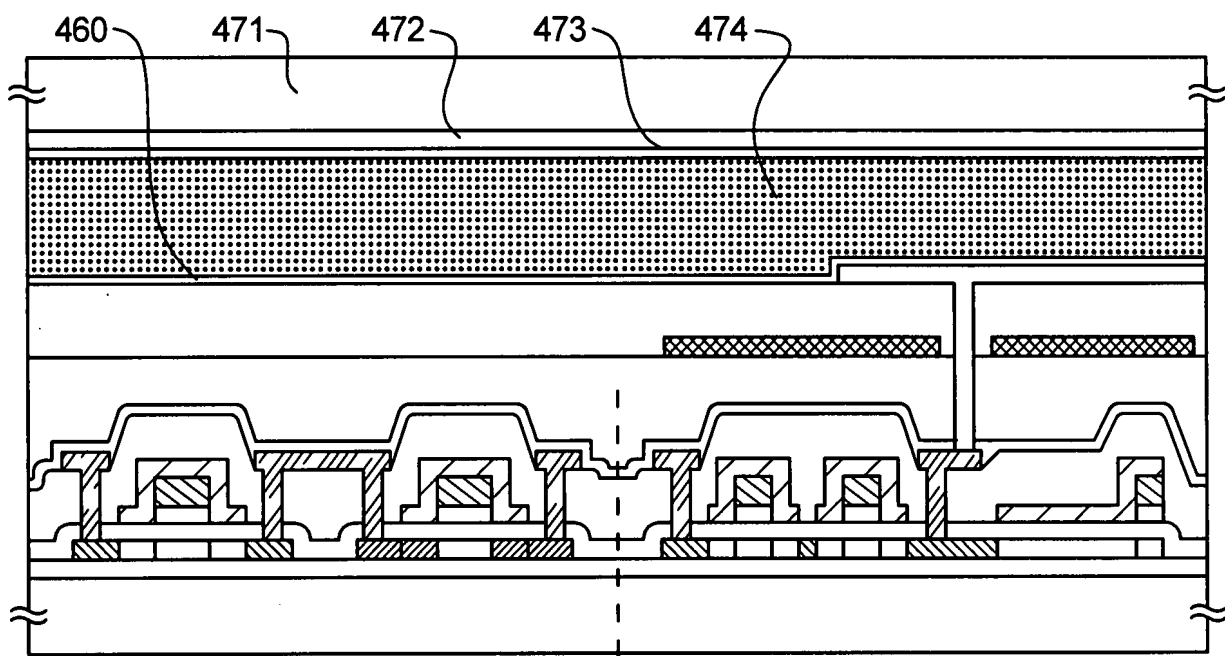
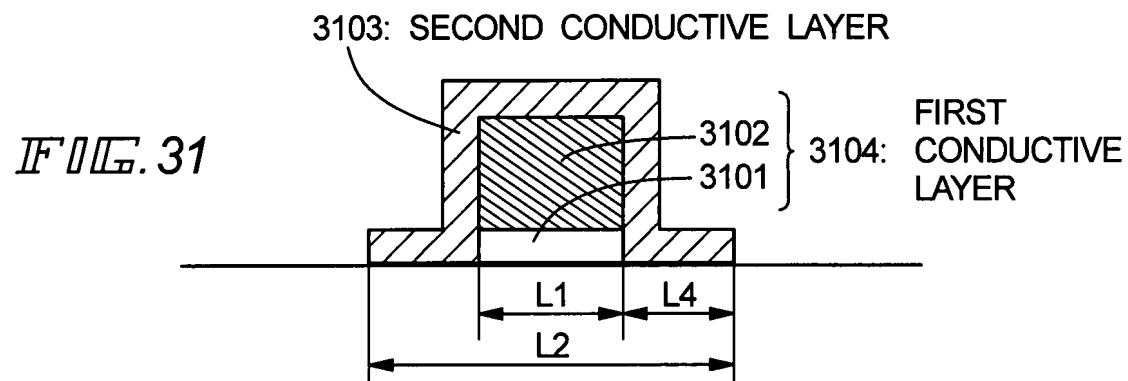


FIG. 30B



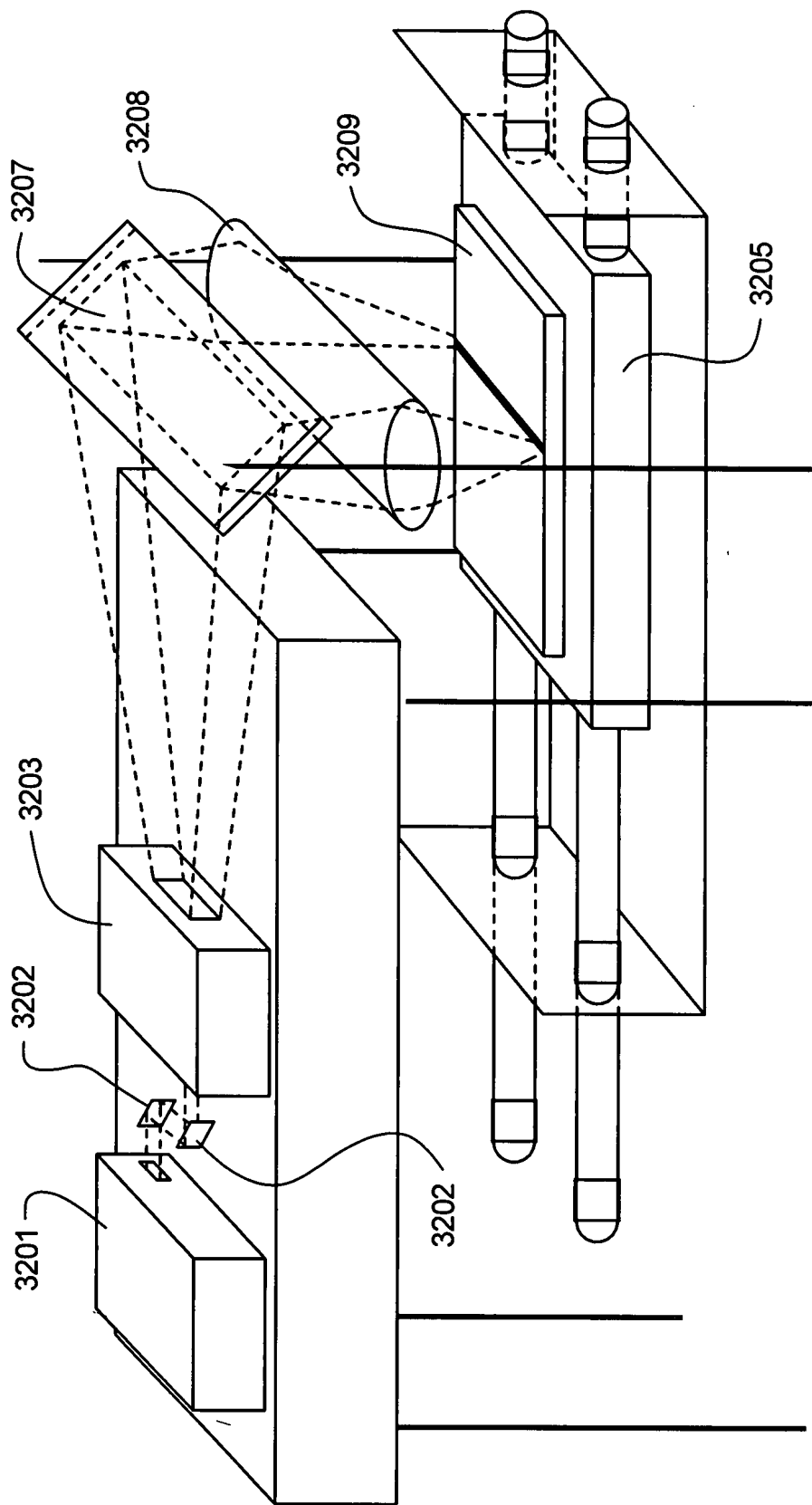
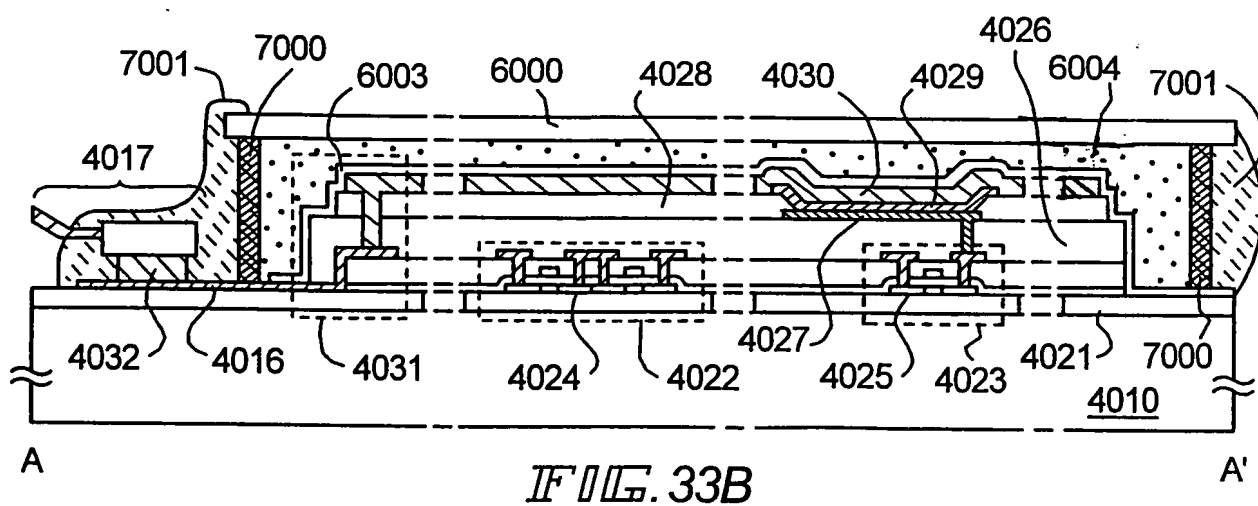
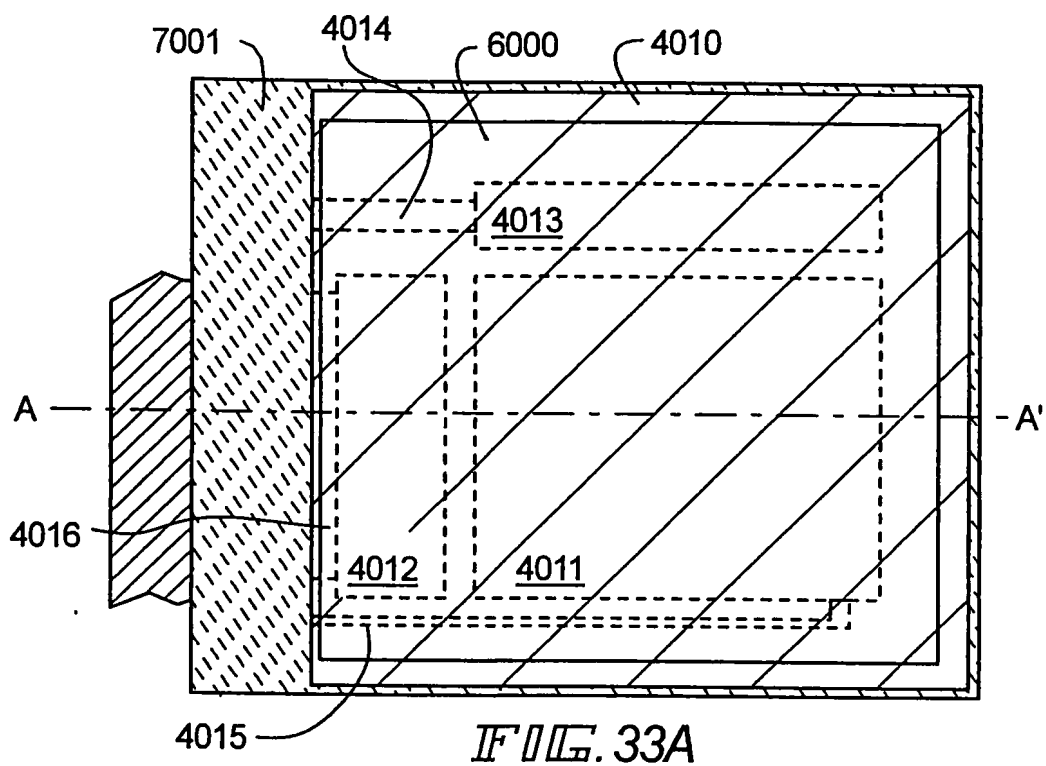
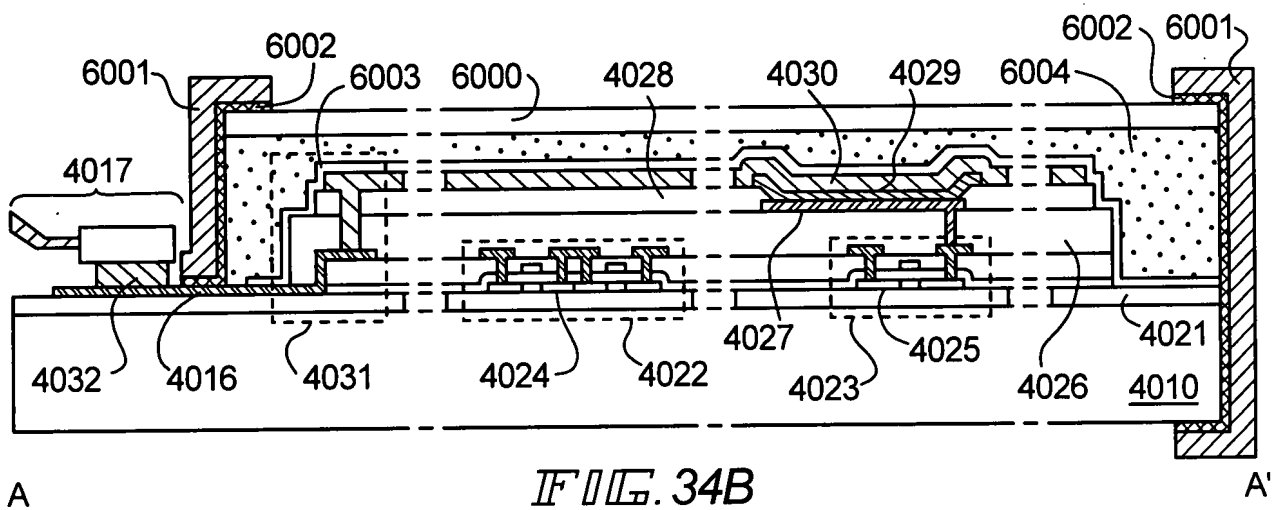
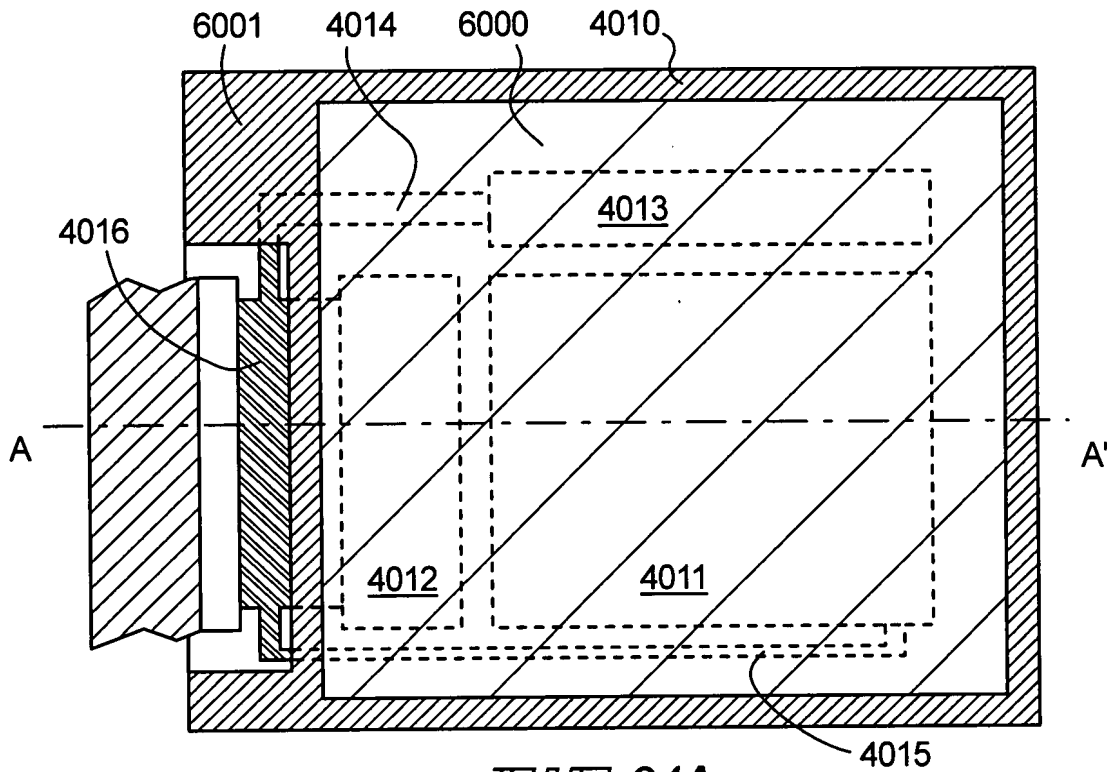


FIG. 32





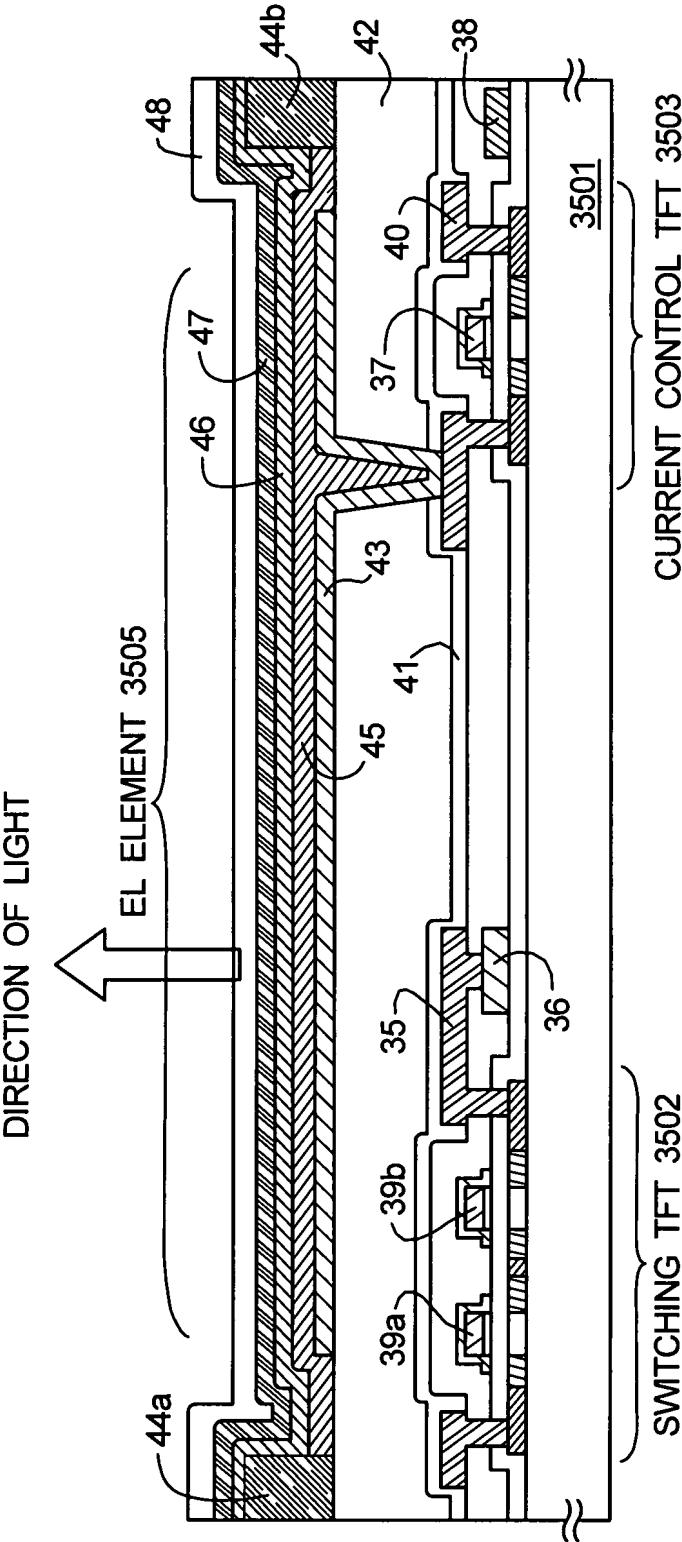


FIG. 35



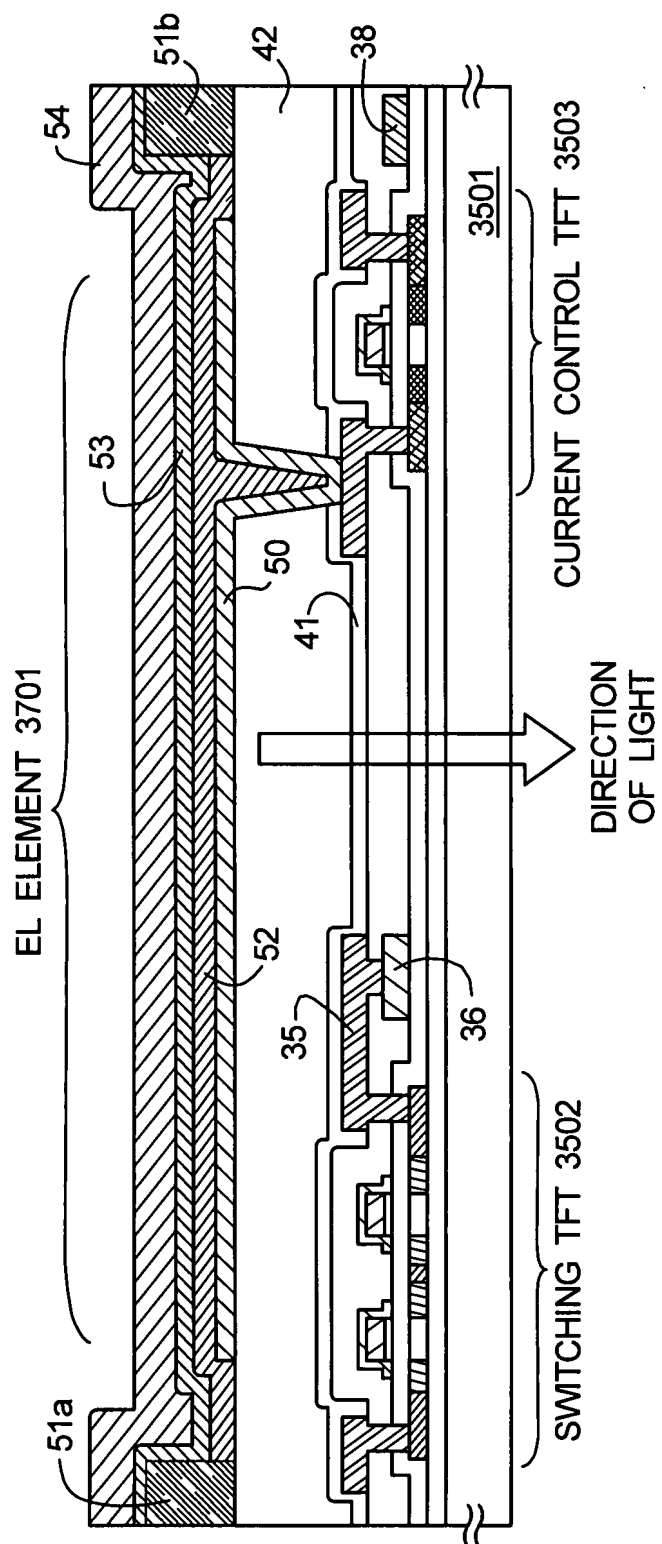


FIG. 37

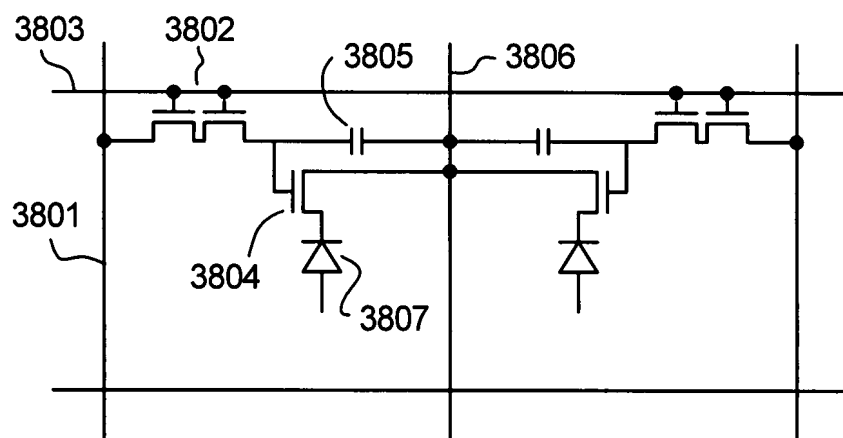


FIG. 38A

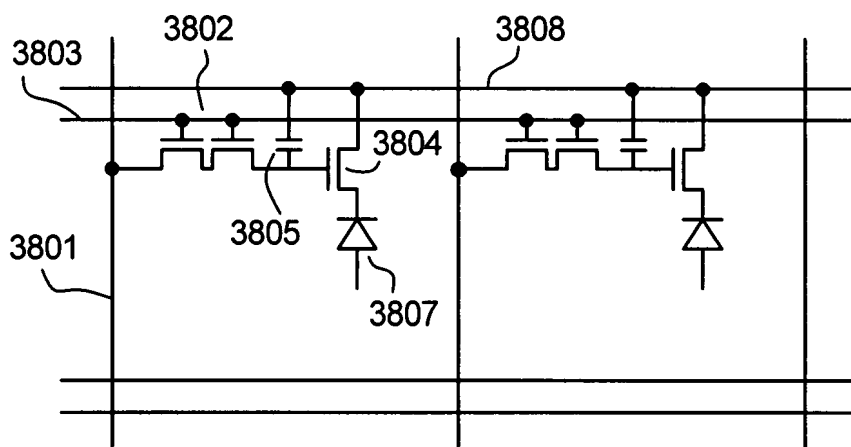


FIG. 38B

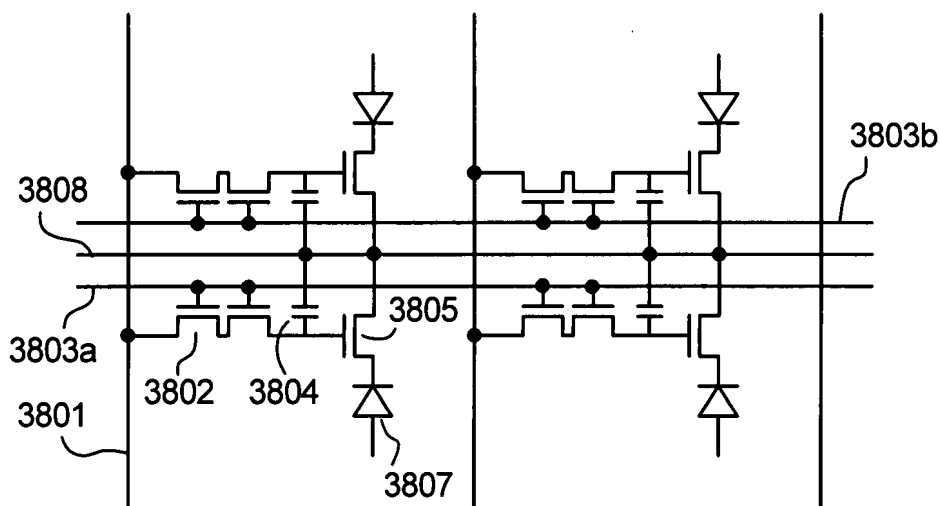
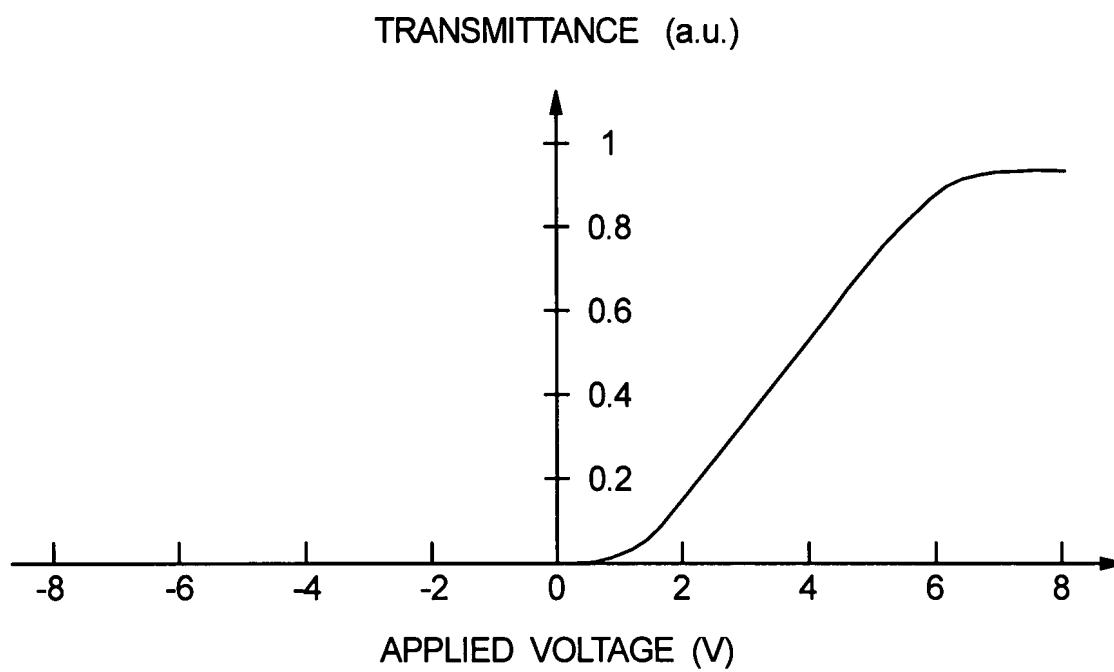


FIG. 38C

*FIG. 39*